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reen ARIZONA 62.05 PLANTING GUIDE

COMPANY

339 W.VAN BUREN-PHOENIX, ARIZON

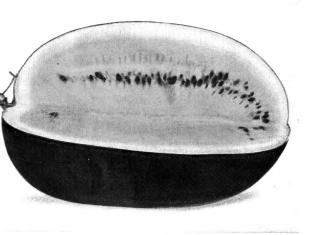


Plant Your Victory Garden



POLE BEANS, KENTUCKY WONDER

The most productive variety of pole beam for Arizona conditions is the Kentucky Wonder, which we offer in either white or brown seeded forms. As a snap bean it is unsurpassed in tenderness and flavor. Equally a favorite with the market and home gardener. Pkt. Sc. 1/4 lb. 15c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.



WATERMELON, LIEFGREEN'S SELECT KLONDIKE

Delicious sweet, tender melons with thin rich green skins can be grown in the home garden or in quantity for the market. It is an excellent shipper. Flesh bright red with characteristic small brown seeds. Our seed is selected from perfect specimens only. Watermelons make good growth in the warm climate of Arizona. Pkt. 10c, oz. 25c, V_4 lb. 75c, 1 lb. \$2.50, postpaid.



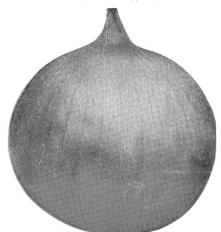
THOROUGH PREPARATION OF SOIL IS FIRST

Arizona has several climatic areas which differ from one another as to the number of crops one can get from his garden and also in the recommended planting dates. In the Salt River Valley district the season is quite long and many crops can be planted at most any time, even during the winter months. If you have never planted a garden in Arizona we suggest you check over the planting chart on page 37 to be sure.

We have never recommended the impulsive uprooting of established plantings of shrubs and perennials to make space for a Victory Garden unless such work will make a better garden afterwards. It is much better to select a spot in the back or side yard, away from shrubbery shade, to plant your garden.

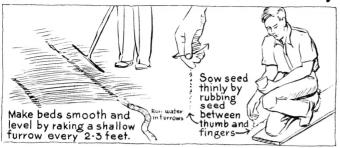
If your soil is fairly good you can get by without much conditioning but both heavy and extra light soil should be well worked with barnyard manure and peat moss. Heavy soil is opened up—or made more porous by the addition of these materials. In light soil they act as a sponge and help in the retention of moisture, keeping the soil from drying out so rapidly. After adding the manure and peat to the soil thoroughly respade to the depth of a fork and pulverize thoroughly.

The soil should then be levelled off. For beds, make furrows from 2 to 3 feet apart into which water is run from a hose or ditch for the entire length of the bed. This will enable you to determine the high and low spots according to the water level and using a rake accomplish a complete leveling. Make your beds level at this time and avoid disappointment later on when



ONION, SWEET SPANISH
A popular sweet onion for home and market gardens.

for Year Round Growing



MAKE PLANTING BEDS AND SOW SEED

it will be impossible to remake the garden. The furrows thus established should be shallow at first, say about four inches deep, and made by raking soil from the line to the center of the bed. Later on rake more soil up toward the top but only after the plants are growing well and can stand more cover about their roots.

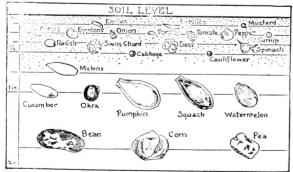
Plant seed on both sides of the bed in case of plants that don't require much space such as carrots, onions, radishes, turnips, in fact all the winter and early spring vegetables. For later and larger vegetables—tomatoes, peppers, eggplant and such plant one row to the bed so the growing plants won't overflow into the furrows. Vine crops—squash, cucumbers, melons, etc.—require 5 to 8 feet of bed and often can be planted to climb on a fence or stout trellis to save space.

The garden should be planned so that what is planted early in winter won't interfere with spring planting for summer crops. Short season crops will be used quickly and should be replanted as long as the season permits with ample fertilizing to replace the nutrients extracted by the successive crops.

Flowers are equally important to morale and your garden should not be without them at this time. There are many places where they can be used without taking up vital space. Use them to separate the garden from the house; along the paths of the garden and on the fence where they will certainly make the garden a more pleasant place in which to work.

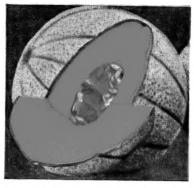
For economy buy only the best seed such as we offer at Liefgreen's—selected for Arizona conditions, for home and market gardens and sure to make your Victory garden produce an abundance of vegetables and flowers.

See also page 8.



Proper depth of soil covering for seeds is very important. Better and quicker germination gives your garden a head start. Use the above Home Garden Planting Chart.

Seed is valuable and good seed deserves the best care possible, for with it better vegetables can be grown. Buy Lief-green's vegetable seed and be sure of the best in quality.



CANTALOUPE, HALE'S BEST NO. 45

An early ripening, mildew resistant melon for the home and market gardener. Deep salmon thick flesh of finest flavor. Melons are oval, heavily netted and faintly striped. Pkt. 10c, oz. 50c, 1/4 lb. 85c, postpaid.



The best table and canning beet we offer. The slightly flattened dark red beets have small tap roots and excellent flavor. Young tops may be used as greens. Pkt. 5c, oz. 30c, 1/4 lb. \$1.00, postpaid.



CABBAGE, SELECT GOLDEN ACRE

An early cabbage producing small heads averaging 212-3 pounds. Pkt. 10c, oz. 70c, 1/4 lb. \$2.25, postpaid.





1944 VEGETABLE SEEDS

Carefully Tested and Selected for Home Gardens and Market Gardeners

ARTICHOKE

LARGE GREEN GLOBE-The favorite garden variety. Very ornamental. Bears secon from seed. Pkt. 15c, oz. \$1.00, postpaid.

ASPARAGUS

CULTURE—Soak seeds 24 hours before planting. Sow in February and March in rows, covering seed about 1 inch. The following winter transplant to rows 3 to 6 feet apart and a loot with at least 10 inches covering. Asparagus prefers light loamy soils.

PALMETTO—Light green; very popular. F 10c, oz. 20c, 1/4 lb. 30c, 1 lb. \$1.00, postpaid.

SELECTED MARY WASHINGTON — A new giant rust-proof variety. Pkt. 10c, oz. 20c, 1/4 lb. 50c. 1 lb. \$1.50, postpaid.

Asparagus Roots

Plant one year old roots and do not cut them back. When planting see that the roots are well spread out so that the soil will touch every part. If this is not done the plant cannot thrive.

MARY WASHINGTON ROOTS - 75c per doz., \$4.00 per 100, postpaid.



Improved Black Wax

BEANS

ASK FOR QUANTITY PRICE

CULTURE-For a spring crop plant in February, March and April, according to the location. For fall crop, plant in August and early September. Beans enjoy a well-drained loamy soil. Irrigate beans only when needed and do not flood the vines. Cultivate frequently and before the soil has a chance to crust. Plant Bush Beans about 3 inches apart in 3-foot rows at the rate of about 1 pound to 100 feet of row and from 75 to 100 pounds per acre. Plant Pole Beans at the rate of 1 pound to 200 feet of row and about 40 pounds per acre.

Bush Beans, Green Pod

Pkt. 5c, ½ lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.

LIEFGREEN'S TENDERGREEN-This is a new Bush Bean of utmost value. The plants make a strong and vigorous growth. They are well branched and carry a great quantity of beautiful light green beans. The pods grow 6 to 7 inches long. They are round, extremely meaty, and tender. Even when fully grown they are absolutely stringless.

LIEFGREEN'S STRINGLESS BLACK VALENTINE

—Very hardy. Dark green pods, 6 to 6½ inches appearance and good keeping qualities and thrives under adverse conditions. Entirely stringless. Also desirable for the home garden.

LIEFGREEN'S STRINGLESS GREEN POD-This stringless green pod bean is one of the most popular beans in America. In earliness it is in the lead, in quality it is unexcelled, and as a cropper it is unrivaled. The straight fleshy, round, thick pods are stringless.

Prices Listed are Postpaid. Write for Quantity Prices.

Bush Beans. Wax Pod

Pkt. 5c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.

IMPROVED BLACK WAX—Round podded. A becutiful bright yellow color, very early and continues long in bearing. Very productive. IMPROVED GOLDEN WAX-This bean is a dis-

tinct improvement on the old Golden Wax. Pole Beans, Green Pod

Pkt. 5c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.

KENTUCKY WONDER (Brown Seeded) early and enormously productive. Entirely stringless, very tender. Plant as early in the spring as possible, and again in the latter part of July to the 20th of August.

KENTUCKY WONDER (White Seeded) — The nearly round, silvery green pods are tender, fleshy and stringless. Excellent snap bean; the dry beans good for baking. An improved rust-resistant strain.

SCARLET RUNNER-A great favorite; both ornamental and useful producing dazzling scarlet flowers during the summer months. Pkt. 10c, 1/4 lb. 20c, 1/2 lb. 30c, 1 lb. 50c, postpaid.

Bush Lima Beans

Pkt. 5c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.

LIEFGREEN'S IMPROVED BUSH LIMA earliest maturing of all the large seeded limas.

HENDERSON'S BUSH LIMA-One of the most productive of the bush lima beans. Pods are small, about 3 inches long, and contain 3 to 4 seeds. Green shell bean but white when fully

FORDHOOK BUSH LIMA—A popular variety for home or market garden and more prollife than any of the bush varieties. The pods are borne in clusters, are about 494 inches long. The pods remain green for a long time.

Pole Lima Beans

KING OF THE GARDEN-A vigorous and productive sort, pods very long, each containing 5 to 6 large beans of delicious flavor. Pkt. 5c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.50, postpaid.

Liefgreen's Quality Seeds for Successful Crops

Liefgreen's Selected

TABLE BEET SEEDS

CULTURE-In the warm sections of Arizona Beets may be planted from August I until May I. In the higher altitudes planting may May 1. In the higher altitudes planting may commence as soon in the spring as weather conditions will allow. Two ounces of seed will plant 100 feet of row and 8 to 10 pounds are required per acre. Plant in rows of 18 to 24 inches apart and thin to 3 or 4 inches in the row. Cover the seed ½ inch deep and firm the soil after planting. Beets enjoy a light, rich, loamy soil, and frequent cultivation is necessary for rapid and tender growth. and tender growth.

PRICES ON TABLE BEET SEED. Pkt. 5c, oz. 30c, 1/4 lb. \$1.00, 1 lb. \$3.00, postpaid.

Please write for prices in larger quantities.

EARLY WONDER-A very fine market and table beet. This is an early beet with a very small tap root, small top and is of exceptionally fine dark red color. The beets are slightly flattened and mature very evenly. For a table as well as a canning variety we cannot recommend it too highly.

DETROIT DARK RED—This is a fine main crop all-purpose beet. Sweet, tender and fine grained.

EARLY BLOOD TURNIP-Flesh very tender and retains its blood red color when cooked.

CROSBY'S EGYPTIAN-Our Crosby's is a very superior extra early strain of garden beet which has been very carefully selected for

STOCK BEETS

Stock Beets are recognized as a very valuable stock food.

CULTURE—Sow seed 1 inch deep in well cultivated soil in drilled rows 18 inches to 3 feet apart, the distance depending on the method of cultivation. When large enough, thin plant to 10 inches apart in the row. About 8 pounds is required per acre. As beets germinate slowly, the seed should be planted in moist

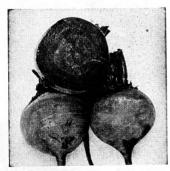
MAMMOTH LONG RED - The roots of this variety grow to a very large size.

GOLDEN TANKARD-Contains more sugar and less water than any other Mangel.

GIANT HALF SUGAR-A very heavy yielder. White solid, tender flesh and very sweet.

SUGAR BEET (White Klein Wanzleben)-Not the largest in size but the richest in saccharine. It will fatten hogs as quickly as grain.

ALL STOCK BEET PRICES - Pkt. 5c, oz. 20c, 1/4 lb. 70c, lb. \$2.20, postpaid.



Beets, Early Wonder

BROCCOLI

GREEN SPROUTING ITALIAN (Calabrese)-The edible portion differs from other Broccolis in use in that the flower heads are borne on long stems and are cooked and eaten along with the flower and are of a very mild flavor, having none of the distinct cabbage flavor. Plant and care for as cabbage or cauliflower. Pkt. 10c, oz. 60c, 1/4 lb. \$2.00, 1 lb. \$6.00.

BRUSSELS SPROUTS

IMPORTED HALF DWARF PARIS MARKET-The culture for Brussels Sprouts is the same of for cabbage. It is a highly esteemed vegetable. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00, postpaid.



Cabbage, Golden Acre

CABBAGE

CULTURE: In the warm sections of Arizona, seed should be planted during July and August, in shaded beds, for Fall crop. Also during the Fall and Winter months for Spring narvest. Six ounces will produce plants for 1 acre when transplanted. If drilled in rows and thinned out, 3 to 5 pounds per acre is required.

GOLDEN ACRE CABBAGE - Grown from selected Danish import stock seed by one of the very best Danish growers. One of the earliest varieties of Cabbage. It is dwarf in habit, rethe Copenhagen Market Cabbage, but smaller heads, averaging 2½ to 3 pounds in w.t. Pkt. 10c, oz. 70c, ¼ lb. \$2.25, 1 lb. \$6.95, postpaid.

COPENHAGEN MARKET-This variety also is grown from select Danish import stock seed by one of the most reliable growers. Pkt. 10c, oz. 70c, 1/4 lb. \$2.30, 1 lb. \$6.95, postpaid.

RED DUTCH—Heads of deep color and very solid. Excellent for cold slaw and for pickling. Pkt. 10c, oz. 70c, 1/4 lb. \$2.30, l lb. \$6.95, post-

CHINESE CABBAGE

CHILILI-Early dependable heading variety. Heads 18-20 inches tall, very firm, well blanched, crisp, sweet and tender. Matures in 70 sweet and tender. Matthes in yodays. Serve as a salad or cook like asparagus. Pkt. 10c, oz. 45c, 1/4 lb. \$1.50, lb. \$4.50, postpaid.

inches tall, broad and firm. Well blanched and of excellent quality. 75 days. Pkt. 10c, oz. 45c, 1/4 lb. 75 days. Pkt. 10c, oz. \$1.50, lb. \$4.50, postpaid.

CARROTS

Plant Liefgreen's Quality Seeds

Carrots grow in most any soil, although a sandy loam plentifully enriched with well-rotted manure suits them best. Sow 1 oz. of seed to 100 feet of row, 4 lbs. to the acre. Plant from August to May in rows 15 to 18 inches apart. Keep clean by frequent hoeing and weeding.

DANVER'S HALF LONG-A favorite with market growers and shippers. The tops are medium size The mature roots are of medium length, 6 to 8 inches long, tapering uniformly to a blunt point. The flesh is of deep orange, tender and of good quality. Pkt. 10c, oz. 45c, 1/4 lb. \$1.50, 1 lb. \$4.50.

IMPROVED CHANTENAY—A first-class table variety, stump rooted, broad shouldered, about 5 or 6 in. long. Pkt. 10c, oz. 45c, 1/4 lb. \$1.50, 1 lb. \$4.50.

OX-HEART-Especially desirable for soil so hard and stiff that longer-rooted varieties will not thrive in it. The mature roots are 41/2 inches long. Pkt. 10c, oz. 45c, 1/4 lb. \$1.50, 1 lb. \$4.50.

IMPERATOR-One of the best selling varieties. In appearance it is sleek, 7 to 8 inches in length, with round shoulders, allowing it to bunch well. Its color is deep orange and its core very indistinct. Pkt. 10c, oz. 45c, 1/4 lb. \$1.50, 1 lb. \$4.50.

FRENCH FORCING-(60 days) An excellent variety for home garden and early market. It is reddish orange in color, small and globe shaped, excellent quality. This is the earliest of the carrots. Pkt. 10c, oz. 45c, 1/4 lb. \$1.50, 1 lb \$4.50.

NANTES HALF LONG CORELESS - A crisp, tender carrot of fine flavor. Flesh is reddish orange and practically coreless; tops are small. A good home or market garden variety. Pkt. 10c, cz. 45c, 1/4 lb. \$1.50, I lb. \$4.50.

The Above Are Postpaid.

LO-TEMP DUST

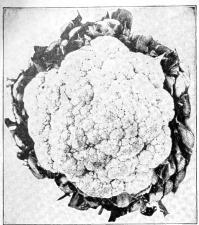
Non-poisonous. Designed to control Vegetable Pests. Easy to apply.



Carrots, Imperator



Garden Fresh Sweet Corn - Truly Delicious



Cauliflower, Snowdrift No. 16

CAULIFLOWER

CULTURE—Prepare the seed bed carefully, using only rich and thoroughly pulverized soil. Keep the plants in a healthy and a rapid growing condition. Broadcast the seed in the seed bed. To mature crop for the December market in Southern Arizona, plant seed in July in shaded beds. For a continuous crop throughout the winter season plant seed in July, August, September and October. For Northern Arizona, plant in the spring. When plants are 40 to 45 days in beds they are ready for the field. Transplant to 24 inches apart in rows 30 to 36 inches apart. Five ounces of seed will produce plants for one acre.

Snowdrift No. 16

SNOWDRIT NO. 16—The earliest and surest heading variety for the Salt River Valley and all of Arizona where an early crop is desired. Our strain of Snowdrift No. 16 is grown in the United States by one of the most particular growers who formerly grew this strain of seed for us in Denmark before the late war curtailed imports. We consider Snowdrift the earliest strain of this type. The leaves grow tall and upright and the inner leaves twirl and cover the head completely. It heads high in the plant, is very smooth and firm and dazzling white. Pkt. 25c. ¼ oz. \$1.55, oz. \$5.00, ¼ lb. \$16.00, 1 lb. \$50.00, postpaid.

CELERIAC

(OR TURNIP-ROOTED CELERY)

CULTURE—Nearly the same as celery. A form of celery grown for its fleshy roots.

GIANT PRAGUE—Produces large smooth roots with few side roots. Pkt. 10c, oz. \$1.00, 1/4 lb. \$3.35, postpaid.

CELERY

Plant in seed beds in May and when seedlings have 3 or 4 leaves, thin to 3 inches apart. Transplant to open field in August. Bleaching is done by drawing the soil to the plants.

GOLDEN SELF BLANCHING—Tall, compact, excellent type. Pkt. 10c, oz. \$1.50, $\frac{1}{4}$ lb. \$5.00, postpaid.

LIEFGREEN SPECIAL UTAH GREEN PASCAL—Medium broad compact stalks. Fine flavor. Very meaty, crisp and sweet, and usually used in the green stage. Pkt. 10c, oz. 51.00, ½ 1c. \$3.5, 1 lb. \$10.00, postpaid.

CELTUCE

New vegetable recently introduced from China. Combines flavors of both lettuce and celery. Culture as for Swiss Chard. Young tender plants may be used for greens either raw or boiled. When larger, the central stem is used—stripping off the leaves and paring off the skin. It is delicious used raw as a relish like carrots or celery. Pkt. 15c, postpaid.

SWISS CHARD

FOLIAGE BEET

CULTURE-Same as beets.

FORDHOOK GIANT — A very fine vegetable giving large returns for the little care required. Leaves are rich green turning to white in advanced stages. Used for greens the same as spinach or beet tops. The ribs are excellent cooked and served as you would asparagus. Pkt. 5c, oz. 25c, ½ lb. 80c, lb. S2.40, postpaid.

LARGE WHITE RIBBED—60 days. Large smooth leaves of thick texture grown mostly for the broad, white tender mid-ribs. The green, succulent leaves may be used like spinach and have a nice flavor. Pkt. 5c, oz. 25c, 1/4 lb. 80c, lb. \$2.40, postpaid.

CHIVES

The famous Schnittlauch—highly prized for flavor. The seed of this is not easily germinated and it will be necessary, therefore, to plant a fairly good quantity of the seed if many plants are desired. Pkt. 20c, 1/4 oz. 50c, postpaid.

COLLARDS

CULTURE—Similar to cabbage, but does not produce a head.

TRUE GEORGIA — A strong growing variety with light green leaves. Pkt 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.00, postpaid.

FIELD CORN

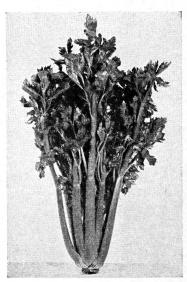
FOR ROASTING EARS AND ENSILAGE

SACATON JUNE—A white corn, tall stalks.

HICKORY KING—White, large kernels, used for hominy.

REID'S YELLOW DENT — A yellow field corn used in the higher altitudes.

The above field corn: Lb. 25c, 10 lbs. \$2.00, postpaid. Write for quantity prices.



Celery, Utah Green Giant Pascal



Corn, Golden Cross Bantam

SWEET CORN

CULTURE—Plant sweet corn in the spring after all danger of frost, when the soil is warm enough to assure germination. Plant 4 to 5 kernels in hills 18 inches apart in 3-foot rows. Cultivate after each irrigation until stalks shade the ground. Do not allow the soil to become too dry at any time. One pound of seed will plant 200 to 300 feet of row or from 8 to 10 pounds per acre, depending on the size of the seed. June corn and Hickory King may be planted in June, July and August, while send rooms at ould be planted in early spring some and all the seed and September. Our corn seed als from the very best selected stock. Write us for quantity prices.

GOLDEN CROSS BANTAM—Edible in 88 days. This hybrid is undoubtedly one of the best and most prolific of the yellow sweet corns. The ears are 8 to 10 inches long with 14 to 16 rows of kernels, slightly lighter in color and yielding about 40 per cent more marketable ears than Golden Bantam. Grows 5 to 6 feet high with sturdy statks and deep green foliage. Pkt. 10c. /4 lb. 20c. /2 lb. 35c. lb. 60c. 10 lbs. \$5.50, postpaid. Write for quantity prices.

SELECT ADAMS EARLY—Ready for table use from spring planting in 50 to 60 days, depending on the weather. In the tall it should produce reasting ears in 50 days. It is not a sugar corn but decidedly more hardy. Large pkt. 5c, l_2 lb. 25c, lb. 45c, 10 lbs. 34.00, postpaid.

TRUCKER'S FAVORITE—Best roasting ear—not a true sugar corn. Stalks about 8 feet tall, ears are of medium length and thickness, average 7 to 8 inches, with 12 or 14 rows. Kernels are white. Pkt. 5c, $\frac{1}{2}$ lb, 25c, 1 lb. 45c, 10 lbs. \$4.00, postpaid.

GOLDEN BANTAM—This golden colored corn is the leading variety for early home garden planting, ears though small are numerous and of finest quality, very sweet and tender. Pkt. 5c. ¼ 1b. 15c, ½ 1b. 25c, 1 1b. 45c, 10 1bs. \$4.00, nestraid.

OREGON EVERGREEN — A very large early variety of sugar corn of excellent flavor and large size. It can be grown early in the spring or late in the fall and is in much demand by the market gardener. This corn is extra sweet and due to the tight folding of its shucks is as near corn worm proof as any. Large pkt. 5c, 1/4 lb. 15c, 1/2 lb. 25c, 1 lb. 45c, 10 lbs. \$4.00, postpaid.

POP CORN

WHITE RICE—A popular and productive variety. The kernels are fine, white, and the ears are from 4 to 5 inches long. Large pkt. 5c, ½ lb. 25c, 1 lb. 40c, 10 lbs. \$3.00, postpaid.

For Market Gardeners - Quantity Prices





Cucumber, Woodruff's Hybrid

CUCUMBER

CULTURE-Plant cucumbers in the spring as soon as all danger of frost is over. If you are located in the light frost areas planting may be made two to four weeks earlier and receive the full benefits of the early market prices. In the Salt River Valley and similar sections plantings are also made in the fall. usually August and September. Plant 6 to 10 seeds 1 inch apart each way. One ounce will plant 50 hills, 3 pounds to the acre. After all danger of pests are removed and you are sure of your plants, thin out, leaving three of the strongest plants. Give abundance of water and frequent cultivation for the best results. Cucumbers enjoy a light, sandy, rich soil.

A & C CUCUMBER

A & C—Slightly tapered but fairly straight and symmetrical. Deep green color is held longer after picking than other varieties. Pkt. 10c, oz. 30c, ¼ lb. \$1.05, lb. \$3.20, postpaid.

CLARK'S SPECIAL—An outstanding variety for shipping, and for market gardeners. Holds its color and firmness when handled long distances. Fruits weigh $2 \frac{1}{2}$ lbs., handsome, very dark green color. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.05, lb. \$3.20, postpaid.

COLORADO—Fruits 9 to 12 inches long. This cucumber is rapidly gaining in popularity and we recommend it highly to the shipper, market and home gardener. One of its outstanding qualities is that it does not taper, but is practically the same size from end to end. The color is dark green, making it especially attractive for display. The flesh is crisp and tender. An exceptionally heavy yielder. Pkt. 10c, oz. 30c, 14 tb. \$1.05, bb. \$3.20, postpaid.

KLONDIKE—Another good white spined variety, medium length, dark color, fine quality. Pkt. 10c, oz. 30c, 1/4 lb. \$1.35, lb. \$3.20, postpaid.

SELECT EARLY FORTUNE—Very productive, early and disease resistant; fruits about 8 inches long, slightly tapering; flesh is white; very firm and crisp with few seeds. It is of a rich green color and keeps well. Ready for market in about 60 days. Pkt. 10c, oz. 30c, 1/4 lb. \$1.05, lb. \$3.20, postpaid.

SPECIAL LONG GREEN—Grows from 12 to 14 inches long and is of superior quality. Of fine dark green color and slender, Flesh very firm. Pkt. 10c, oz. 30c, 1/4 lb. \$1.05, lb. \$3.20, postpaid.

WOODRUFF'S HYBRID—Long, cylindrical with rounded ends, almost round in cross section. Small seed cavity. Medium dark green with thin light green stripes at bottom end. Tender, crisp. Superior quality. Pkt. 10c, oz. 30c, 1/4 lb. \$1.05. lb. \$3.20, postpaid.

BOSTON PICKLING — Very prolific; largely planted for pickles. The fruits are short, smooth, bright green and of excellent quality. Pkt. 10c, oz. 30c, ¼4 lb. \$1.05, lb. \$3.20, postpaid.

JAPANESE CLIMBING—A very rampant grower, fruits long deep russet, and of excellent quality, weight 2 lbs., 8 to 9 in. long and 2½ inches in diameter. Pkt. 10c, oz. 30c, ¼ lb. \$1.05, lb. \$3.20, postpaid.

LEMON—A new variety, the color of a lemon when ready for use and similar in shape. Pkt. 10c, oz. 30c, 1/4 lb. \$1.05, lb. \$3.20, postpaid.

CRESS

FINE CURLED or PEPPER GRASS—Sow 1 oz. to 50 test of row. Requires a rich well prepared soil. Plant 1/2 in. deep in rows 12 to 16 inches apart. When plants are well started thin to 4 to 6 in. apart. Pltt. 10c, oz. 45c, 1/4 lb. \$1.50.



Eggplant, Black Beauty

EGG PLANT

CULTURE—Egg Plant grows exceedingly well in Arizona, as it thrives in warm, dry weather. Sow in hot beds or boxes and transplant when danger of frost is over. Plant 2 feet apart in 4-foot rows. To secure a rapid and con-

tinuous growth, water and cultivate frequently. One ounce of seed will produce about 1,000 plants.

BLACK BEAUTY—The fruits are rich, dark purple, large and symmetrical, maturing a little earlier than our Improved New York Purple but usually not quite as large. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, lb. \$7.50, postpaid.

IMPROVED NEW YORK PURPLE—Large oval-shaped, deep purple fruits. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, lb. \$7.50, post-raid.



Cucumber, A & C

ENDIVE

CULTURE—Sow seed at any time with the exception of the hot summer months. Sow thinly in rows 18 inches apart and cover lightly. When the cover lightly the second of the cover lightly the cover lightly the second of the cover lightly the cover lin

GREEN CURLED RUFFEC — A hardy vigorous variety with deep green leaves. This variety is generally preferred as it bleaches to α beautiful golden yellow. Pkt. 10c, oz. 20c, ½ 1b. 65c, 1 lb. \$2.00, postpaid.

GARLIC

CULTURE—Plant in the Salt River Valley and similar climates during October and November. In higher altitudes during the spring season. One pound will plant about 50 feet of row.

GARLIC SETS—50c per pound, postpaid. Write for quantity prices.

HERB SEEDS for Planting

Anise, Sweet Basil, Borage, Caraway, Catnip, Coriander, Dill, Lavender, Sweet Marjoram, Sage, Sorrel, Summer Savory, Saffron, Fennel.

All Herbs, 10c per packet, postpaid.

KALE or BORECOLE

CULTURE—Sow in drills during the fall and spring months. Transplant to 12 inches apart in 3-foot rows. ½ ounce required for 100 feet

GREEN CURLED SCOTCH.—Grows to a height of 2 feet or more; leaves are bright green and curled. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, 1 lb. \$3.00, postpaid.

KOHL RABI

CULTURE—Kohl Rabi is a cold weather plant and should be seeded from early fall to early spring, eliminating the hot summer months. In colder sections plant in early spring. Plant like turnips and thin to 6 inches apart. ½ ounce of seed will produce about 1,000 plants.

EARLY WHITE VIENNA — Earliest sort, very tender, excellent for table use. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, 1 lb. \$7.50, postpaid.

EARLY PURPLE VIENNA—Similar to above, but has flesh of purple color. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, 1 lb. \$7.50, postpaid.



Kale, Curled Scotch



Liefgreen's Lettuce for Home and Market



Lettuce, Arizona Wonderful

LETTUCE

CULTURE—Lettuce is best suited to rich, light, loamy soil and should never be planted in worn-out soils. At planting time the soil should be in the best of condition. Sow seed on ridges in rows 18 inches apart and when plants are large enough thin to 10 to 15 inches apart. Run the water in furrows between the ridges and never allow the water to touch the plants.

When lettuce is planted early in hot ground plant 2 pounds of seed to the acre. During the winter season, when the soil is cool, 1/4 pounds per acre is plenty.

Head Lettuce

Ask for prices in larger quantities for commercial planting.

NEW YORK SPECIAL—Hardy, uniform heads, light green outer leaves with the center bleached pure white. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00. lb. \$3.40.

ARIZONA WONDERFUL — A splendid variety for market or home use. Large, crisp, tight heads and a great favorite wherever grown. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, lb. \$3.40.

IMPERIAL "152"—Medium sized, solid heads. Quite hardy, very sure heading, also resistant to brown blight. Pkt. 10c, oz. 35c, ½ lb. \$1.10, lb. \$3.40.

IMPERIAL "615"—One of the largest heading varieties. Resistant to brown blight; does not make suckers. Desirable for early spring cutting. Pkt. 10c, oz. 35c, 1/4 lb. \$1.10, lb. \$3.40.

ICEBERG—A splendid head lettuce for spring planting. Pkt. 10c, oz. 25c, 1/4 lb. 85c, lb. \$2.50.

Leaf Lettuce

PARIS COS or ROMAINE—Leaves yellowish white, very crisp and tender; a self-blanching lettuce of superior flavor. Pkt. 10c, oz. 20c, 1/4 lb. 70c, lb. \$2.10.

DENVER MARKET—For the family garden plant this variety broadcast on ridges, allowing it to grow thick. Pkt. 10c, oz. 20c, ½ lb. 70c, lb. \$2.10.

BLACK SEEDED SIMPSON—Crisp and very tender. Large crumpled or frilled leaves make a bunch at the center. Pkt. 10c, oz. 20c, 1/4 lb. 70c, 1b. \$2.10.

ALL THE ABOVE POSTPAID

Market Growers Should Ask for Quantity Rates.

Growing Conditions Are Different in Arizona!

It is just this difference in growing conditions that prompted us to include specific instructions in our catalog. We are trying to convey ideas for profitable gardening, and though we realize they may not be infallible, we are doing our level best to better the understanding of gardening in Arizona and the southwest.

Most recommendations for planting are, of necessity, general—that is, done on a national scale and do not consider our specific problems.

In southern Arizona we have open winters, with occasional "cold snaps" which never prohibit planting of root and top vegetables (except all vine crops). The lower temperatures seem to discourage garden enthusiasm for no real reason. Germination of seed is slower and maturity dates are extended but do not overlook the following:

Start in late Aug. or 1st of Sept. and throughout the winter:

LEAF CROPS—Lettuce, Swiss Chard, Spinach, Endive, Mustard, Kale, Cress, Celery, Herbs, Parsley and Kohl-rabi.

ROOT CROPS—Beets, Carrots, Onions, Parsnip, Radish, Salsify, Turnips, Rutabaga.

Sow late in July to late Nov. and again in early December:

TOP HEADING VEGETABLES - Cabbage, Cauliflower and Broccoli.

PEAS—Sow August 20 for fall crop. In November and December for spring crop. We have numerous calls for peas in spring—the result of eastern methods and catalogs—but the deadline for even "Early Peas" here is February, because peas do not thrive in the warm weather.

The point we wish to make is this: Our recommendations are carefully prepared with only one thought in mind—to make your garden profitable to you. Better seeds, properly planted and tended are the most important factors to successful aardeens.



Lettuce

LEEK

CULTURE—Plant in seed bed or in drills in the field; when large enough transplant or thin out about 6 inches apart in 18-inch rows. One ounce of seed is required to 150 feet of row.

LARGE LONDON—Broad leaves of strong and vigorous growth; very hardy. Pkt. 10c, 1 oz. \$1.00. postpaid.

Earlier, Hardier Plants with HOTKAPS

Protect Your Garden Against Rain, Wind, Frost and Bugs

Do as successful market growers do: Place patented Germaco HOTKAPS — strong little hothouses—over seeds (or over plants when transplanting). Completely protect from destructive frosts, storms, insects—maintain perfect mulch. Increase yield from 18 to 51 per cent, ripen plants three weeks earlier. Quick, easy to set, instructions on package. 25 Hotkaps, 50c (postpaid 65c); 100, with setter, \$1.95 (postpaid \$2.15); 250, with setter, \$3.50 (postpaid \$3.75). Beat everyone

with first vegetables, flowers. Buy Germaco HOTKAPS from us today. MARKET GROWERS: GERMACO HOTKAPS help you have sure crops, highest out-of-season prices, bigger profits.

1000 for only \$11.00, postage extra.

WEIGHT 28 POUNDS. WRITE FOR QUANTITY PRICES.

Liefgreen's Melons for Best Results



CANTALOUPES

CULTURE—Thoroughly soak the soil. When dry enough, plow 10 or 12 inches deep. After pulverizing the soil make furrows 8 or 10 inches deep. Plant the seed in furrows 6 feet apart each way, using 8 or 10 seeds to a hill, which will require 2 pounds to the acre. When paper covers are used, planting in the Salt River Valley generally starts in February and March. If covers are not used, plant after danger of frost is over. As the plants grow, gather the soil around them until the roots are 10 or 12 inches below the surface. Thin out surplus plants as soon as they are hardy and well established. Please remember that the roots are as long as the vine, therefore when working close to the vines let the cultivation be shallow. Always cultivate the irrigating furrow when dry enough so as to conserve the moisture.

HALE'S BEST No. 45—Excellent flavor and a good keeper as well as mildew resistant. An early variety developed particularly for the shipping trade. The No. 45 is a true Hale's Best. Oval shape, medium size, with heavy net and a faint stripe. Flesh is deep salmon, thick and firm with small seed cavity. Recommended to plant where mildew is prevalent. Pkt. 10c, oz. 25c, ½ 1b. 85c, 1 lb. \$2.50, postpaid. Ask for quantity prices.

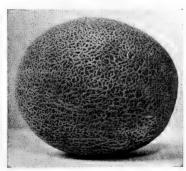
EARLY HALE'S BEST No. 36—An extra early salmon tint of remarkable flavor. Melons are oblong, well netted and attractive. Small seed cavity. Ten days to two weeks earlier than other varieties and yields big. One of the best main crop melons. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50, postpaid.

EXTRA-EARLY HACKENSACK (Green Flesh)— Rounded fruits of medium size, irregularly ribbed and heavily netted. Thick flesh of α delicious sweet flavor. Pkt. 10c, σz. 25c, ½ lb. 85c, 1 lb. \$2.50, postpaid.

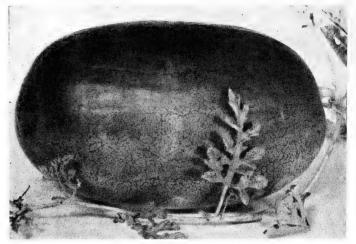
IMPROVED ROCKY FORD PERFECTO—An excellent shipping voriety. Melons are heavily netted without ribbing. Flesh orange, thick and has a delicious flavor. Small seed cavity. Am excellent melon. Pkt. 10c, oz. 20c, 1/4 lb. 85c, 1 lb. \$2.50, postpraid.

TIP TOP—A prime favorite for the home garden or nearby markets. Medium size, deeply ribbed and slightly netted. Flesh is salmon, rich and sweet. Pkt. 10c, oz. 25c, ½ lb. 85c, 1 lb. \$2.50, postpaid.

CRANSHAW — A new melon of exceptional merit. Fruits weigh 7 to 8 pounds, are pointed at stem end and round at base. The skin is relatively smooth with no rib or net, mottled gold and green. The flesh is a pleasing bright salmon, very thick, and has rich, spicy flavor. Not a good distance shipper but an excellent variety for local markets and the home garden. Pkt. 10c, oz. 40c, 1/4 lb. \$1.25, lb. \$3.75, postpaid,



Cantaloupe, Hale's Best No. 45



Watermelon, Selected Klondike Brown Seeded

Liefgreen's WATERMELONS

CULTURE—Use our northern grown seed for a successful melon crop. Our melon seed is selected from the very best types and will grow hardier larger jeints and melons than the average seed. Plant seed in furrow, dropping six seeds every 8 or 10 feet apart. Cover about 2 inches deep. As the vines grow, hill the earth about them until the roots are 10 to 12 inches deep. When safely established, thin vines to about two to the hill. Be sure to cultivate after each irrigation as soon as the condition of the soil will permit. Use 2 to 3 pounds of seed to the acre.

LIEFGREEN'S SELECT KLONDIKE—One of the best melons grown for shipping and home use. The rind is very thin and of a medium green color. The flesh is bright red, tender and deliciously sweet. Our seed is of the genuine strain, as our selections are made from perfect specimen melons. Pkt. 10c, oz. 25c, 1/4 ib. 75c, 1 lb. \$2.50, postpaid.

KLOMDIKE BROWN SEEDED.—The outstanding variety for shipping and home garden use in Arizona. Popular because of its delicious flavor and attractive interior color. Flesh bright red and very sweet. Fruits oblong and of uniform green color. Pkt. 10c, oz. 20c, 1/4 lb. 60c, lb. \$1.75, postpaid.

KLONDIKE, WILT RESISTANT R-7—Is resistant to fusarium wilt and has all the other qualities of the regular Klondike listed above. Pkt. 10c, oz. 20c, ½ lb. 60c, 1 lb. \$1.75, postpaid.

NEW STRIPED KLONDIKE No. 11—This new strain carries as high sugar content as any commercial watermelon. The rind is thin but strong and the flesh is solid and a bright red. A most attractive melon in both outside appearance and when cut. Edible qualities are excellent and delicious. Seeds are black splotched and striped with brown at the edges. Pkt. 10c, oz. 20c, ½ 4 hs. 60c, 1 lb. \$1.75, postpaid.

ANGELENO BLACK SEEDED—Much like white seeded Angeleno except in color of seed. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

IMPROVED BLACK SEEDED CHILIAN — This melon possesses a rich, fruity flavor. Very sweet and has a thin rind. Pkt. 5c, oz. 20c, 1/4 lb. 45c, l lb. \$1.25, postpaid.

IRISH GRAY or GENERAL PERSHING—Color is a yellowish gray. Flesh is a brilliant sparkling red, very sweet and firm. Pkt. 5c, oz. 20c, 1/4 lb. 45c, 1 lb. \$1.25, postpaid.

KLECKLEY SWEET—A medium size melon, rind very green and flesh deep red. Delicious flavor. An excellent melon for either home garden or shipping. Pkt. Sc. oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

STONE MOUNTAIN—A very large oval round shaped melon. Rind dark green and tough. Flesh is deep scarlet and very sweet. A very desirable shipping and home garden melon. Pkt. 5c. oz. 20c. ¼ lb. 40c. 1 lb. 51.25, postpaid.

CITRON or PRESERVING MELON—For preserves. Fruit round and smooth. Is not eaten raw but is used for making clear transparent preserves of peculiarly fine flavor. Flesh white and solid. Pkt. 5c, oz. 20c, 1/4 lb. 50c, lb. \$1.50, postpaid.

HONEY DEW and CASABA

BABY PERSIAN—A small type Persian melon. Is uniform in size. Fruit is about 6 inches in diameter and can be packed in crates for shipping. A very desirable home gardening type. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50.

GOLDEN BEAUTY—The most popular and the best flavored Casaba melon grown. Grows from 6 to 8 inches in diameter, is nearly round, slightly pointed at the stem end. The wrinkled skin is a beautiful golden yellow and the rind is very hard. The flesh is pure white and very thick. Pkt. 10c, oz. 25c, ½ lb. 85c, 1 lb. \$2.50, postpaid.

HONEY BALL — This melon has become very popular. In appearance it is similar to the Honey Dew, but is smaller and runs more uniform. Has a wonderful flavor and preferred sometimes to the Honey Dew. Pkt. 10c, oz. 25c, 14b. 85c, 1 lb. 52.50, postpaid.

HONEY DEW—Excellent flavor, good keeping qualities and very prolific. Flesh is light green and sweet as honey. Ready to pull when green lustre has changed to a creamy yellow and ready to eat when an impression can be made with the thumb. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50, postpaid.

HOTKAPS

eliminate weather and insect damage, promote sturdy growth and bring crops to maturity two to three weeks earlier. For prices, see page 8.



Superior Onion Seeds and Sets

MUSTARD

CULTURE -Very easy to grow. Sow in the fall and during the winter and spring months. Drill in rows and cover lightly. Mustard is not particular as to soil, but a medium heavy soil

SOUTHERN CURLED—The true curled leaf variety. Looks like spinach and has a very gareeable flavor. Pat. 5c, oz. 15c, 1/4 lb. 50c, l lb. \$1.50, postpaid.

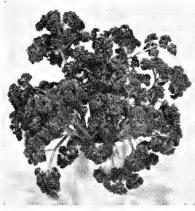
OSTRICH PLUME—Is delicious as well as ornamental; the leaves resemble ostrich plumes, hence the name. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, 1 lb. \$1.50, postpaid.

OKRA or GUMBO

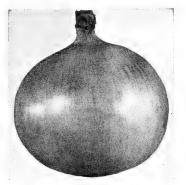
CULTURE-Okra thrives well in Arizona and a very popular vegetable. Requires a generous supply of water and responds readily to tertilization and cultivation. Plant after all erous supply of water and response reduity to tertilization and cultivation. Plant after all danger of frost is over in drills and thin to 12 inches apart. Sow one ounce to 50 feet of row. To produce really early obra plant heavily, at least 10 or 12 pounds to the acre.

EARLY DWARF GREEN — Short pod. Dwarf stocky growth, heavy bearer. The pods are medium short, greenish color, tender and of good flavor. The most popular variety. Pkt. 5c, oz. 15c; 1/4 lb. 40c, 1 lb. \$1.00, postpaid.

LONG GREEN—A very productive variety. Long ribbed pods. Pkt. 5c, oz. 15c, 1/4 lb. 40c, 1 lb. \$1.00, postpaid.



Parsley



Onion, Utah Sweet Spanish

LIEFGREEN'S ONIONS

CULTURE—A rich, well drained soil will produce fine onions. If soil is not well drained it will produce thick necked scallions. A well fertilized sandy loam is the best. In the lower altitudes in Arizona, planting starts in September and continues throughout the fall and early winter months. Time of planting depends on the variety. Drill onion seed in 14-inch rows and irrigate in the furrows between the ridges to avoid flooding the onion, which causes rot, rendering it unfit to ship or keep. Three pounds of seed is required to the axe for dry onions or I ounce to 100 feet. For green onions or bunching onions plant 10 pounds per acre. Our onion seed plant 10 pounds per acre. Our onion seed is of the highest type as to germination and purity. Consult with us as to what and how to plant and allow us to quote you quantity

Please write for prices in larger quantities.

WHITE SWEET SPANISH — Like the original Sweet Spanish, it is a good keeper. We are very proud of our strain as it has given wonderful results. Pkt. 10c, oz. \$1.00, postpaid.

UTAH SWEET SPANISH-Large well shaped brown onions weighing 1 to 3 pounds. Globular, with golden yellow skins, white flesh very mild, with a pleasing flavor. Pkt. 10c, oz. \$1.00, postpaid.

CRYSTAL WHITE WAX — A large white Bermuda type onion that has become very popular. It is very early, very mild in flavor and an excellent shipper and keeper. Pkt. 10c, oz. 85c, postpaid.

SILVER SKIN—One of the leading white onions. Average diameter is 4 to 6 inches. The thick skin is a clear silvery white, flesh snow white. Pkt. 10c, oz. 95c, postpaid.

YELLOW BERMUDA—Outer skin is of a pale strawish color. A large flat onion with a very mild flavor. Very early. Pkt. 10c, oz. 95c,

Bunching Onions
MULTIPLE WHITE BUNCHING — Is bulbless, multiple while bunching — is bulbless, perennial and forms long, slender, leaf-like silvery white stalks—used for bunching. The onions produce in clusters of four to nine and are twice the size of ordinary bunching onion. Pkt. 10c, 1/2 oz. 50c, oz. 95c.

ONION SETS

WRITE FOR PRICES IN LARGE QUANTITIES

NOTE-Prices include postage. When sent otherwise, deduct 10 cents per pound or fraction thereof. If quantities are desired, do not fail to write for special prices.

Onion sets are grown from seed that has been sown too chickly to attain a Jarge size. These small onions are planted out and are soon ready to pull for the table or bunch for market. Mature about six weeks earlier than crop grown from seed.

BROWN-1 lb. 45c; 10 lbs. \$4.00.

WHITE-1 lb. 45c; 10 lbs. \$4.00.

PARSLEY

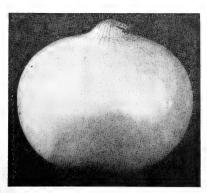
CULTURE-Sow in the fall for early spring As the seed is slow to germinate, a light mulch over the seed bed will retain the moisture and hasten germination. Cover lightly. One ounce of seed will produce about 500 plants.

MOSS CURLED-Excellent for garnishment and flavoring and very decorative. Leaves are very fine and crisp. Pkt. 10c, oz. 20c, 1/4 lb. 60c, 1 lb. \$1.75, postpaid.

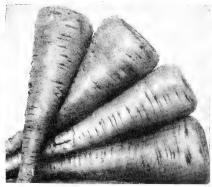
PARSNIP

CULTURE-Plant from October to March. Sow in drills in rich soil 1/2 inch deep and 15 inches apart. Cultivate like carrots and thin to 4 inches apart. 1/2 ounce of seed will plant about 100 feet of row; 3 pounds to the acre.

HOLLOW CROWNED—The very best parsnips, either for table use or for stock. Pkt. 10c, oz. 25c, 1/4 lb. 85c, 1 lb. \$2.50, postpaid.



Onion, White Sweet Spanish



Parsnip, Hollow Crowned



Liefgreen's Evergreen Bunching Onion,



Get a Good Start With LIEFGREEN'S Seeds

Peas, Laxton's Progress

PEAS

CULTURE—Plant peas from September to April 1. Peas are hardy and stand a great dead of cold. During cold weather plant seed 1 to 2 inches deep; in the warmer months plant 3 to 4 inches deep. Sixty pounds to the acre is the amount usually used.

Prices on pea seed as follows: Pkt. 5c, $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, 1 lb. 45c, 10 lbs. \$4.00, postpaid.

EARLY VARIETIES

LAXTON'S PROGRESS (Early) — Regarded by some large users as the best of the large podded early peas. Pods large, of fine color, and are well filled with large peas of finest quality.

HUNDREDFOLD—An early variety and a great favorite. Plant in September for a fall crop.

SECOND EARLY VARIETIES

DWARF TELEPHONE—Planted after the Progress, usually in November for a spring crop.

GIANT STRIDE (Improved Stratagem)—A very popular late bush variety.

PLANT LIEFGREEN'S VEGETABLE SEEDS

and enjoy the fresh, crisp, vitamin and mineral rich vegetables that come from the home garden.

PEANUTS

CULTURE—Plant 25 lbs. unshelled nuts or 15 lbs. of kernels to the acre. There are many sections in Arizona suitable for growing peanuts. A sandy loam is most desirable or a light porous soil that will readily clean from the nut when harvested. Plant in June and July.

VIRGINIA IMPROVED is known as a runner, and has a spreading habit of growth and forms pods both at the base of the plant and along the lateral stems. Large nuts. (Sold in the shell.)

SPANISH HULLED—This is the most important commercial variety. The habit of growth is upright with heavy foliage and produces close to the base of the plant, which makes it easier to cultivate and harvest. Nuts small. (Sold shelled.)

Lb. 50c, 10 lbs. \$4.50, postpaid.

LIEFGREEN'S PEPPERS

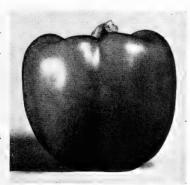
CULTURE—Sow seed in hot beds in November, December and January. Transplant to the field when all danger of frost is over unless paper plant protectors are used. Peppers delight in highly fertilized soil and should be kept well watered. Plant 18 inches apart in 30-inch rows. One ounce of seed will produce 1,000 plants or 1/4 pound seed to the acre.

ANAHEIM CHILI—Pods about 7 or 8 inches in length. Because of its agreeable pungency it is one of the most popular peppers on the market. Pods keep for months when dried, which makes it a good, marketable crop. Pkt. 10c, oz. 65c, 1/4 Lb. \$2.15.1 lb. \$6.50, postpaid.

CALIFORNIA WONDER—It is the best largefruited pepper in existence, very smooth, heavy, free from creases and wrinkles. Meat thick, tender and of finest flavor. Pkt. 10c, oz. 85c, 1/4 lb. \$2.85, 1 lb. \$8.50, postpaid.

FLORAL GEM—The favorite variety when a small hot pepper is desired for pickling or highly flavored sauces. Pkt. 10c, oz. 80c, ½ lb. \$2.85, 1 lb. \$8.00, postpaid.

PIMIENTO—Every garden should have a row of this pimiento. For salad, parboil it to remove the skin. Stuffed and baked, it is superior to any other pepper. Pkt. 10c, oz. 40c, 1/4 lb. \$1.35, 1 lb. \$4.00, postpaid.



Pepper, California Wonder



Pumpkin, Small Sugar

PUMPKINS

CULTURE—Plant in hills 8 to 10 feet apart each way in March and July and August. Drop five or six seeds to the hill and thin out to one healthy plant. Pumpkins, like other vine crops, should be irrigated carefully, not allowing the water too near the main stalk. About 3 pounds are required to the acre. Plant plenty of pumpkins as they make excellent cow and hog feed.

SMALL SUGAR—A very popular small variety. The skin is a deep orange yellow and the flesh sweet and fine-grained. Sells better than any other pumpkin on the local market. Excellent for pies. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

LARGE CHEESE—Large size; reddish orange; flesh thick, fine and sweet. A good keeper. Pkt. 5c, oz. 20c, 1/4 lb. 40c, lb. \$1.25, postpaid.

JAPANESE PIE—Nearly solid flesh; the seed cavity being very small, fine-grained, dry and sweet. Taste somewhat like sweet potatoes. They ripen early and are good keepers. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

CONNECTICUT FIELD—A fine variety for dairy ranches, adding much to the quality and quantity of milk and butter. Excellent keeper. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

IMPROVED YELLOW CASHAW—A crookneck pumpkin. Solid, fine and sweet. Keeps well. Pkt. 5c, oz. 20c, 1/4 lb. 40c, lb. \$1.25, postpaid.

WINTER LUXURY—Like the Small Sugar in shape but somewhat larger. Round fruits flattened at the ends. Average weight 7-9 lbs. Skin thin, netted, orange yellow; flesh thick, firm, exceptionally sweet and fine flavor for pies. Pkt. 5c, oz. 20c, 1/4 lb. 40c, lb. \$1.25, postpaid.

Market Gardeners and
Shippers!

NOTE!

We are headquarters for Market Garden Supplies, Seeds, Sprayers, Insecticides, etc. Please write for special quotations for quantities. Write us in regard to your insect problems.



Superior Seeds for Home and Market Gardeners



Squash, Black Zucchini

RADISHES

CULTURE—Radishes may be planted almost any month of the year in southern Arizona with the exception of the hottest months. Plant 1 ounce of seed to 100 feet of drill, 10 pounds to the acre.

Price of all radishes listed: Pkt. 5c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, all postpaid.

LONG WHITE ICICLE—The most popular long white radish.

EARLY LONG SCARLET—Long bright scarlet. Very brittle and sweet. Matures early.

WHITE TIPPED SCARLET TURNIP — A table dainty, crisp, tender and sweet.

EARLY SCARLET TURNIP—A handsome scarlet, crisp and juicy. **CRIMSON GIANT**—Twice as large as any other

turnip-shaped variety. Does not get hollow or pithy.

FRENCH BREAKFAST—An early variety with

good flavor and attractive appearance.

ROUND BLACK SPANISH—Black skin, white flesh and of firm texture.

EARLY SCARLET GLOBE—Oval in shape and is a rich scarlet color.

MIXED RADISH—A mixture of all the best varieties.

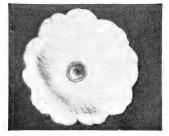
RUTABAGA

OR SWEDISH TURNIP

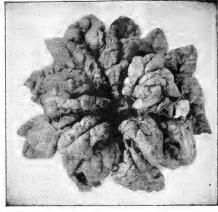
IMPROVED YELLOW PURPLE TOP—The popular standard variety, both for stock feeding and for table use. Pkt. 5c, oz. 20c, 1/4 lb. 60c, 1 lb. \$1.60, postpaid.

SALSIFY

SANDWICH ISLAND—An improved type and the largest and most delicious salsify in cultivation. Pkt. 10c, oz. 50c, ½ lb. \$1.65, 1 lb. \$5.00, postpaid.



Squash, White Bush Scallop



Spinach, Prickly Winter Hollandia

SPINACH

CULTURE — Sow in drills 12 to 18 inches apart and for a succession, plant every two weeks. Cultivate often and keep free from weeds. Sow from September 1 to April, using 1 ounce of seed to 75 feet of row and from 25 to 35 pounds to the acre.

PRICKLY WINTER, HOLLANDIA (Broad Leaf)— A splendid fall and winter variety, quick growing with large green leaves. The leading variety. Ask for quantity prices. Pkt. 5c, oz. 20c, 14 lb. 50c, 1 lb. \$1.50, 5 lbs. \$6.25, postpaid.

NOBEL (GIANT THICK LEAVED)—A recent introduction and the best of the round seeded thick leaved varieties. Heavy yielding, leaves very large, thick, broad, smooth and deep green in color. We recommend "Nobel" for either home, market garden or canning use. Pkt. 5c, 1 oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, 5 lbs. \$6.25.

VIROFLAY—Large vigorous variety with thick broad deep green leaves. Popular with home and market gardeners. Pkt. 5c, oz. 20c, 1/4 lb. 51.50.

NEW ZEALAND—A large seeded cut-and-comeagain variety. Not planted commercially. One plant will cover a 4-foot area. **Pkt. 10c, oz. 25c,** 1/4 lb. 85c, 1 lb. \$2.50 ,postpaid.

SQUASH

CULTURE—Sow in the spring after all danger of frost is over and also in the fall in time to mature a crop before frost. Light, warm soil is best. Plant bush varieties in hills 3 to 4 feet apart and vining varieties from 6 to 8 feet apart. Plant about six seeds to the hill and thin out to the three best plants. One ounce will plant about 40 hills of bush varieties and about 15 hills of vining varieties. Three or four pounds is required to the acre.

For very early plantings protect them with Hotkaps.

Write for quantity prices.

Summer Varieties

BLACK ZUCCHINI or ITALIAN—The most desirable sort for the home and market garden. The fruits are long and very dark green. Vines are bush formed and very productive. Fruits are used when quite young and average 4 to 6 inches long. Pkt. 5c, oz. 20c, 1/4 lb. 65c, 1 lb. \$2.00, postpaid.

EARLY SUMMER CROOKNECK—A small crookneck summer squash. Skin bright yellow. This is the richest of summer squashes. Very early and productive. Pkt. 5c, oz. 20c, 1/4 lb. 65c, lb. \$2.00, postpaid.

IMPROVED GREEN TINT WHITE BUSH SCALLOP—Similar to the White Bush Scallop, but selected for the darker green fruit which holds its color longer and makes it very desirable for market purposes. Pkt. 5c, oz. 20c, 1/4 lb. 65c, lb. \$2.00, postpaid.

GOLDEN YELLOW STRAIGHTNECK — Select type of golden summer squash with a straight neck instead of curved. Pkt. Sc, oz. 20c, 1/4 lb. 65c, lb. \$2.00, postpaid.

Winter Varieties

TABLE QUEEN—A small green squash growing about 7 inches long and 4 to 5 inches hick. Very sweet and fine grained. An excellent keeper for winter use. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. \$2.25, postpaid.

IMPROVED GREEN HUBBARD—The most popular hard-shelled squash for baking and for ples. Dark, bronze green skin and flesh is fine-grained, thick, dry and richly flavored. Pkt. 5c, oz. 25c, ½ lb. 75c, lb. \$2.25, postpaid.

GOLDEN HUBBARD—Similar to green Hubbard except in color, which is a deep orange. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. \$2.25, postpaid.

BANANA—A popular soft shell variety growing 18 inches to 2 feet long, 6 to 8 inches in diameter; skin grayish blue; flesh yellow and fine grained. Pkt. Sc. oz. 25c. 1/4 lb. 75c. lb. \$2.25, postpaid.



Radishes, Early Scarlet Globe



Plant Liefgreen's Finer Vegetable Seeds

TOMATOES

CULTURE—Tomatoes do best in light, warm, rich soil. Sow in hot beds about eight weeks before they are to be set in the field. The time of planting depends on the soil and climatic conditions. If you want early market tomatoes, we advise covering with Hotkap Plant Protectors for frost protection. Transplant 3 to 6 feet apart in rows 4 to 6 feet apart, the distance apart to be governed by the nature of the plants, whether compact, upright growth or of vining habit. Plow and pulverize the soil to a good depth so that the roots may penetrate deeply and avoid the hot surface soil. Use about 1/4 pound of seed for field planting or 1 ounce of seed for every 2,000 plants in the hot bed.

SELECT EARLIANA — The most popular first early variety grown in the Salt River Valley. The plant is very hardy, with light foliage which tends to early ripening. Yields well and the fruit is solid and of fine quality. Pkt. 10c, oz. 60c, ¼ lb. \$2.00, lb. \$6.00.

FIRST EARLY—An exceptionally good strain of Earliana type. Fruit high color solid and smooth. This tomato packs well and is a good shipper. One of the best of the early tomatoes. Pkt. 10c, oz. 60c, 1/4 lb. \$2.00, 1 lb. \$6.00, postpaid.

EARLY NO. 498—Recommended for the critical grower trade, of the Earliana type, globe shaped, smooth of rich scarlet color. Probably the best of its type. Pkt. 10c, oz. 60c, 1/4 lb. \$2.00, lb. \$6.00.

CHALK'S EARLY JEWEL—Nearly as early as Earliana. Fruit large and of fine flavor. Pkt. 10c, oz. 50c, 1/4 lb. \$1.50, 1 lb. \$5.00, postpaid.

DWARF STONE—Very erect habit of growth, allowing plants to be set as close as 18x24 inches. Very prolific, smooth, and ripens early. Color bright red. Pkt. 10c, oz. 50c, 1/4 lb. \$1.65, 1 lb. \$5.00, postpaid.

MARGLOBE—The vine is vigorous, resistant to disease, fruit a large, slightly flattened globe, of fine bright color, very firm and meary and of the very best quality. Pkt. 10c, oz. 60c, 1/4 lb. S2.00, 1 lb. S6.00, postpaid.

NORTON STONE—WILT RESISTANT—A wilt resistant Stone tomato that has gained popularity owing to its wilt resistant qualities. P.L. 135, oz. 60c, ¼ lb. \$2.00, 1 lb. \$3.00, postorid.

PEARSON—Vigorous self-topping plants. Sat heavy crops of medium large, semi-globe shapped fruits. A good red color with tough skins. An ideal variety for canning or shipping. Bred for western conditions. Pkt. 10c, oz. \$1.50, 14 lb. \$5.00, lb. \$15.00, postparid.

PONDEROSA or BEEFSTEAK — A very large tomate with very few seeds and of excellent flavor. The color is bright red with very firm substantial meat and luscious flavor. Pkt. 10c, oz. 65c, 1/4 lb. \$2.15, 1 lb. \$6.50, postpaid.

GOLDEN QUEEN—Large size, smooth fruits of light golden yellow. Thick and meaty yellow flash of excellent flavor and mild acidity. Pkt. 10c, ½ oz. 35c, oz. 60c, ¼ lb. \$2.00, postpaid.

RUTGERS—A vigorous and productive tomato for canning or market. Fruits to 11/2 pound are borne on strong branches which hold them well above ground. Fruits are globular, bright red, with thick walls and small seed shells. It is an excellent tomato. Pkt. 10c, oz. 60c, 1/4 lb. \$2.00. postpaid.



Tomato, Ponderosa

VICTOR- Small growing self-topping variety. Bears exceptionally heavy crops of mediumsize scarlet tomatoes. Excellent home and market garden variety. Won bronze medal in 1941. Pkt. 15c, cz. 75c, 1/4 lb. \$2.70, postpaid.

RED CHERRY—Small bright scarlet fruits borne in clusters. Pkt. 10c, oz. 75c, postpaid.

YELLOW PEAR — The favorite for preserves. Bright yellow pear-shaped fruit. Rich and distinct flavor. Pkt. 10c, oz. 75c, postpaid.

RED PLUM—Plum shaped. Used for preserves. Pkt. 10c, oz. 75c, postpaid.

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE

TURNIPS

CULTURE—Sow from September 1 to March 1 in loose loamy soil in double rows on ridges. One ounce of seed will sow about 100 feet of row or 2 pounds to the acre.

PURPLE TOP WHITE GLOBE—The most popular and the most attractive turnip on the market. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, 1 lb. \$1.50, postpaid.

PURPLE TOP STRAP LEAVED—Quick grower. Flesh very fine grained and sweet. Pkt. 5c, oz. 15c, 1/4 lb. 45c, 1 lb. \$1.45, postpaid.

WHITE EGG.—An egg-shaped variety for early or late planting. Pkt. 5c, oz. 15c, 1/4 lb. 45c, 1 lb. \$1.45, postpaid.

GOLDEN BALL—Round, smooth, yellow turnip of fine quality. Good keeper. Pkt. 5c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.70, postpaid.



Turnip, Purple Top White G'obe



THE SOIL INSULATOR THAT

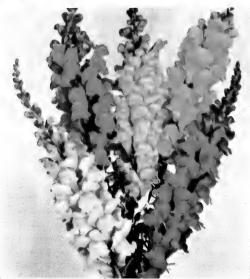
- O Cuts Down Watering
- Saves Cultivation
- Reduces Weeding
- Promotes Growth

See page 16 for directions for use of Sani-Soil

In 25-Ib. bags, \$2.00, f.o.b. Phoenix. Postage extra, see zone rates page 16.



Seeds of Quality, Selected and Tested



LIEFGREEN'S ARIZONA GIANT SNAPDRAGONS

GIANT SNAPDRAGON

(ANTIRRHINUM)

L'EFGREEN'S ARIZONA GIANTS

Plant in a sunny location during the fall and spring months. Thin out plants to about 10 inches apart. Lovely as cut flowers. Height 2½ to 3 feet. Excellent bedding and border plants. They will carry through the hot summer months if cut back and given high shade. We offer named varieties:

SHASTA—Pure white.
DEFIANCE—Dazzling scarlet.
YELLOW JACKET—Deep yellow.
BRONZE HARMONY—Terra cotta orange.
BRILLIANT ROSE—True rose-pink.
WALLFLOWER RED—Pure wallflower red.
Each color: Pkt. 20c.

LIEFGREEN'S SPECIAL MIXTURE TALL GIANT FLOWERING SNAP-DRAGON—A well balanced mixture of the above colors and many others. Ptt. 15c.

SEMI-DWARF SNAPDRAGON

LIEFGREEN'S SEMI-DWARF VARIETIES MIXED—Height about 15 inches. Equally as lovely as the tall snaps. All colors, mixed only. Pkt. 20c.

PANSIES

PANSIES are so well known they need no description. For successful germination and lovely blooms, prepare the soil carefully. Plant seed during the fall months in a semi-shady location, in well moistened, finely pulverized soil, enriched with a slight amount of barnyard fertilizer or bone meal. Cover seed lightly and firm soil. Keep beds most but not soaking wet until plants are up. Transplant to 8 to 12 inches apart. Water young plants very sparingly to avoid damping off, but do not allow soil to dry out at any time. Annual.

STEELE'S GIANT MASTODON JUMBO MIXED

This is the original strain from Steele's Pansy Gardens and are the largest and most beautiful pansies grown. Many colors and color combinations. Stems very long and strong, standing well above the foliage. Pkt. 50c, large pkt. \$1.00, 1/16 oz. \$2.25, ½ oz. \$3.50, ¼ oz. \$6.00.

GIANT SUPER MAPLE LEAF MIXED

One of the largest pansies grown. Immense flowers, long stems and brilliant colors. Large pkt. \$1.00, half size pkt. 50c, 1/16 oz. \$1.50, ½ oz. \$2.75, ¼ oz. \$5.00.

LIEFGREEN'S SPECIAL LARGE FLOWERED SWISS GIANTS

Large size flowers of excellent uniform quality on long, strong stems. All colors and color combinations represented. Many frilled and sweet-scented. Pkt. 25c, 1,16 oz. \$1.50, ½ oz. \$4.00.

LIEFGREEN'S FINE MIXED PANSY

Medium size blooms, extremely free flowering. Especially desirable for larger beds and borders where a mass of color rather than size of the individual bloom is wanted. A full range of color. Pkt. 15c, V_6 oz. \$1.50, V_4 oz. \$2.50.



VERBENA

Liefgreen's Beautiful VERBENAS HYBRIDA GIANTS

Verbenas grow low on the ground but have a spread of from 12 to 18 inches. The lovely individual florets grow in large clusters and the flowers may be used for cutting, or for very colorful beds and borders. Plant in the open during the fall, winter and spring months as they bloom practically all year round in Arizona. Allow plenty of space between plants. Plant seed shallow in a finely made rich soil and keep moist but not wet until plants are up.

Giant Scarlet-Very large bright red.

Giant Beauty of Oxford Hybrid—Brilliant rose shades.

Giant Salmon Pink - Huge pink clusters.

with all colors.

Giant Violacea Stellata—Deep purple with white eye.
Giant Pure White—A giant pure white combining well

HYBRIDA GIANTS MIXED—Contains all of the above colors and many others and blended for the proper color values. You will find the giant strains far superior to the old small flowered varieties.

All of the above: Pkt. 15c, $\frac{1}{8}$ oz. 60c, $\frac{1}{4}$ oz. \$1.00.



PANSY, STEELE'S MASTODON



Flowers to Beautify the Home and Garden

LIEFGREEN'S FLOWER SEEDS

AGERATUM

MIDGET BLUE—See color illustration, page 24. This is an ideal annual edging for flower beds and for borders. The flowers are fluffy bright azure-blue, growing in clusters and entirely covering the plants. Height about 4 inches. Pkt. 25c, 5 pkts. \$1.00.

BLUE PERFECTION—A very fine bedding sort, compact and large flowered. Color a deep amethyst blue. Height 1 ft. Pkt. 10c, 1/4 oz. 35c, oz. 90c,

AFRICAN DAISY

(Dimorphotheca Aurantiaca)

One of the best winter flowering annuals. The bright daisy-like flowers appear on stems about a foot high and cover beds, borders and parkings with a mass of blooms. Blooms within six to eight weeks.

NEW ORANGE IMPROVED — Large flowers, bright deep orange. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

GLISTENING WHITE (New) — Dazzling white petals with blue-black center. Pkt. 15c, 1/8 oz. 75c, 1/4 oz. \$1.25.

HYBRIDS—Mixed colors ranging from white, light pink, apricot, yellow and orange. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

ANAGALLIS

Annual. Height about 1 foot. Lovely medium size daisy-like flowers in many brilliant hues, reds and blue predominating. Plant in the open in α sunny location.

MIXED COLORS—Pkt. 10c, $\frac{1}{4}$ oz. 25c, oz. 75c.

For Concise
Planting Directions
and
Information on
Flower Seeds
See Our Complete
Planting Charts
Page 34

SWEET ALYSSUM

In valuable as a border plant. Annual. Plant from early fall to late spring. Blooms within six to eight weeks.

VIOLET QUEEN (NEW)—Dwarf, bright violet. Really beautiful. Pkt. 15c, 1/4 oz. 35c, 1/2 oz. 65c, oz. \$1.25.

LITTLE GEM—Dwarf, White; free blooming. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

LILAC QUEEN — Dwarf, deep lavender. Pkt. 10c, ½ oz. 40c, oz. 75c.

MIXED SWEET ALYSSUM — A well blended mixture of dwarf varieties. Pkt. 10c, $\frac{1}{2}$ oz. 40c, oz. 75c.



Arctotis Hybrids

AMARANTHUS

(Love Lies Bleeding)—Annual plants with strikingly beautiful ornamental foliage. Excellent for tropical effect.

CAUDATUS—Bright crimson flowers in drooping panicles. Height 2 to 3 feet. Open, sunny location. **Pkt. 10c.**

for APHIDS, THRIPS

and other soft bodied SUCKING INSECTS use . . .



LO-TEMP

scientifically formulated

INSECTICIDE DUST

for Commercial Growers

Prices f.o.b. Phoenix

Please Read Ordering Instructions Below



DIRECTIONS FOR USING Sani-Soil

"AIR CONDITIONS" YOUR SOIL

Your soil is nature's own storehouse where food and moisture are gradually released as needed to the roots of your plants. Just as a good warehouse protects its contents against the elements, Sani-Soil shields the root zones against sudden changes of temperature and the baking effects of the blazing sun. By keeping the soil properly "air conditioned" or aerated, Sani-Soil also aids nature's processes of supplying plant nutrition from the air and moisture as well as from the soil. Thus Sani-Soil acts as a soil insulator, preserving moisture and cultiallowing the root systems to breathe and plant foods to function at their best.

CUTS WATER BILLS

CUTS WATER BILLS

Sani-Soil, being practically non-absorbent when used as a surface mulch, permits all water to filter into the soil without retaining any itself. Mixed with the top soil or packed lightly around root areas, Sani-Soil performs the same function for plants as the bark it comes from does for the redwoods, which maintain luxurious growth hundreds of feet above their water supply throughout the long, hot seasons of California. It forms a perfect insulation against excessive heat which steals the moisture and bakes the soil. Some users have reported cutting their water bills as much as 50 per cent, one nursery reporting a saving of over \$600 on their water in a single year. In addition to saving on water, Sani-Soil saves work by cutting the frequency of waterings. It also protects the tender roots from becoming exposed by the force of the water. by the force of the water.

25-LB BAGS \$2.00, F.O.B. PHOENIX. See Parcel Post Zone Rates below.

VEGETABLES

WEGTABLES

The home gardener cannot choose his soil. He has to make the best of what is available. While it is impossible for him to modify the texture of the soil, he can and if he wants to be successful, he must control the soil structure by giving the soil the utmost care. The structure will be improved by working into the top soil at leinch layer of Sani-Soil. This will loosen the soil, water will have easier access to the root system, furthering the acertain of the soil and increasing the activity of beneficial bacteria. Use any organic fertilizer if available. Soils thus prepared are ready for any seeding or planting. planting.

STRAWBERRIES

Sani-Soil furnishes an ideal mulch for straw-berry beds. Mixed in the soil it will increase the acidity which most berries need. The water holding capacity of the soil will be improved. A 2-inch surface mulch of Sani-Soil spread be-tween the plants will retard weed growth, re-duce evaporation, and prevent the soil from caking in dry weather. It will also keep the ripening berries clean by keeping them off the around. ground.

SHRUBS

Packing an inch or two of Sani-Soil around the root area of young shrubs or fruit trees keeps the soil moist and mellow and gives pro-tection against excessive heat and cold.

SEED CULTURE IN FLATS

SEED CULTURE IN FLATS
Use a mixture of one-third Sami-Soil together
with two-thirds leafmold or whatever prepared
soil is available. After sowing, use a fine fly
screen (window screen will do) and give the
entire surface a fine dusting with Sami-Soil.
Care must be taken that this dusting is not too
heavy. A 1/64 of an inch is sufficient. Water
as needed

BULBS

Mulch a sufficient amount of Sani-Soil into the top soil. Plant bulbs and cover with a 2-inch layer of Sani-Soil. As it does not hold moisture by itself, Sani-Soil makes an ideal dry "bed" in which to put your bulbs to sleep when stored away during the dormant season.

NEW LAWNS ONLY

When preparing the soil for seeding spread approximately a ½-inch layer of Sani-Soil over the entire surface and work thoroughly into the top layer. Smooth and roll soil; seed as usual. After seeding sift a very fine layer of Sani-Soil over entire area. As green seed germinates and breaks through surface, increase the dusting with Sani-Soil until it reaches a thickness of about ¼ of an inch. This will reduce the need of watering considerably. need of watering considerably.

PANSIES

Pansies prefer loose, friable soil. Sani-Soil will be a welcome addition to any type soil where pansies are planted. Care has to be taken that the roots are kept cool and the soil is not exposed to intensive heat. A 2-inch layer of Sani-Soil around each plant will be of great help to keep the soil temperature uniform. Writer as needed. Water as needed.

PERENNIAL BEDS

For perennial beds care must be taken that the soil is thoroughly prepared and good drainage provided. Use at least a 2-inch layer of well rotted manure and a 2-inch layer of Smisoil and dig this into the soil to at least a depth of 1 foot. A well prepared soil will save work later. After setting out the plants keep a 2-inch spread of Sani-Soil between plants. This will eliminate weeding, conserve water, and prevent the soil from caking up. For perennial beds care must be taken that

Your Purchase of Seeds is a Matter of Confidence

LIEFGREEN SEED COMPANY, INC., sell only seed of SUPERIOR QUALITY

Your greatest assurance of crop success is

OUR TESTED RELIABLE SEED

We purchase seed only from growers who have proven their reliability through our years of experience in dealing with them. New strains and types are all tried out in this climate before they are offered to our

discriminating trade. All seed offered in this catalog have been tested and proven as the best types and strains for successful planting in this and similar climates.

DOMESTIC PARCEL POST RATES

For the convenience of our out-of-town customers we list many items at postpaid prices.

For Items Not Listed Postpaid, Customer May Figure Rate from Chart Below

On Seeds, Plants, Bulbs, Roots, B within the U. S. and Possessions. lbs. Local delivery, 1st lb. 7c; each	Wei	ght	limit 70	First Pound or Fraction	Additional Pound or Fraction
First Zone, Phoenix and within 50	mile	of	Phoenix	8c	1c
Second Zone, within 50 to 150	"	11	"	8c	lc
Third Zone, within 150 to 300	**	"	**	9c	2c
Fourth Zone, within 300 to 600	**	"	"	10c	4c
Fifth Zone, within 600 to 1,000	**	"	- 11	11c	5c
Sixth Zone, within 1,000 to 1,400	- 11	"	"	12c	7c
Seventh Zone, within 1,400 to 1,800	- 11	,"	11	14c	9c
Eighth Zone, within all over 1,800	"	"	"	15c	llc

HOW TO ORDER BY MAIL

YOUR NAME AND ADDRESS — Be sure that your name and address are written very plainly on each order.

IT MATTERS NOT HOW SMALL YOUR ORDER nor what you may want in the seed line, we shall be glad to hear from you. Our ambition is to serve you in a manner that will make you one of our satisfied customers.

MARKET GARDENERS should avail themselves of Market Gardeners' privileges and write for special quantity prices.

ERROR IN FILLING ORDERS—We use the greatest of care in filling, checking and packing orders. Yet should anything be omitted we will promptly forward when advised. Keep a duplicate copy of your order for comparison.

REMITTANCES may be made by Express Money Order, P. O. Money Order or Bank Draft; if stamps or cash, send in registered letter. We must decline sending goods C.O.D. unless 25 per cent of their value accompanies the order.

ACCOUNTS-Parties having no account with us, who order goods rithout remittance, must furnish satisfactory reference

WE CARRY ONLY ONE GRADE OF SEED-That is the best pro curable. We fill all of our own seed packets from fresh seed of the highest purity and germination. Follow our Planting Guide and Cultural Directions as given in our catalog.

NON-WARRANTY—We give no warranty, express or implied, as to the productiveness of any seeds or bulbs we sell and we will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed.

ADD 2% OF ORDER TO COVER STATE RETAIL SALES TAX

(Customers outside of Arizona need pay no Sales Tax.)

Colorful Spring Flowers Beautify the Home



ANEMONES (Wind Flower)

GIANT FRENCH MIXED—Easily grown from seed. Plant seed during fall and winter months.

ARCTOTIS

Sow in beds in fall or early spring. GRANDIS (Blue-Eyed African Daisy) — Half hardy annual bearing daisy-like flowers. Color pearl white and mauve center. Height 2 ft. Pkt. 10c, 1/4 oz. 40c.

HYBRIDS MIXED -- Flowers in many shades of pink, rose, yellow, etc., with a dark disc in center. A half-hardy annual growing about 1 foot high. Free flowering. Pkt. 15c, 1/16 oz.

ASTERS

Asters are best suited to the higher altitudes of Arizona. We have a new early flowering type, wilt-resistant. The petals are wide and closely placed and the colors are new and varied. Plant in the open after danger of frost. AMERICAN BEAUTY EARLY - Mixed colors only. Pkt. 15c, 1/8 oz. 30c.

ASPARAGUS FERN

PLUMOSUS—Perennial, used as a vine when fastened to a trellis; also used in pots and danging baskets. Feathery delicate foliage is used extensively with cut flowers. Sack seed in water before planting. Pkt. 15c.

SPRENGERI—A more hardy variety than Plumosus. Used mostly in pots and hanging baskets. A very decorative perennial. Pkt. 15c.

BACHELOR BUTTON or CORNFLOWER (Double)

(Centaurea Cyanus) Hardy annual requiring little care. Height 12 to 14 inches. Nice as a cut flower alone or in mixed bouquets.

FLORIST'S BLUE—Large flowers, bright deep blue. Pkt. 10c, oz. 60c.

MIXED COLORS—Light and dark blues, white, rose pink and light red shades. Pkt. 10c, oz.

BALSAM

(Lady Slipper) Tender annual used for beds and borders. Height about 2 feet. Camelia-like flowers. Plant in semi-shade during the spring months.

MIXED COLORS-Pkt. 10c, 1/4 oz. 30c, oz. 75c.

BROWALLIA

ELATA BLUE-Very free flowering half hardy annual. Flowers are a unique amethyst blue height 18 inches. Excellent for bedding or cutting. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

CACTUS

Cactus seed should be planted during the spring and summer months in natural desert soil or a mixture of sand, fine silt and led mold. Seed should be planted shallow and kept slightly moist until germination, then watered sparingly.

MIXED VARIETIES-Including many rare sorts Pkt. 25c, 5 pkts. \$1.00.

CALENDULA

(Pot Marigold) One of the most popular and showlest of the winter and spring blooming flowers. Used for beds, borders and cut flowers. Plant from September throughout the win-ter and early spring months. Height about 12 to 18 inches. Thin to 12 inches apart.

CAMPFIRE SENSATION IMPROVED - Extra large, deep orange with scarlet sheen. See color illustration, page 24. Pkt. 15c, 1/4 oz. 30c, sheen.

CHRYSANTHA FLOWERED — Resembling a chrysanthemum in an exquisite buttercup yellow. Pkt. 10c, ½ oz. 40c, oz. 75c.

ORANGE SHAGGY—Petals deeply fringed and overlapping. Bright orange. Pkt. 10c, ½ oz. 40c, oz. 75c.

ORANGE KING—Deep orange red with dark center. Large flowers. **Pkt. 10c, oz. 60c.**

LEMON QUEEN—Rich clear lemon yellow with dark center. Large flowers. Pkt. 10c, oz. 45c. APRICOT QUEEN—Soft apricot shaded orange, dark center. Large flowers. Pkt. 10c, oz. 45c. DOUBLE MIXED CALENDULAS—Large flowers, long-stemmed varieties and colors. Pkt. 10c, oz. 40c.

CALLIOPSIS

Showy and beautiful free-flowering annual showy and beautiful tree-flowering annual thriving in most amy location except complete shade. Have a long blooming period and make lovely bouquets. Plant from September to May. Height 2 to 3 ft.

BI-COLOR DWARF MIXED-Yellow with dark center. Pkt. 10c, oz. 45c.

CANDYTUFT

A hardy annual producing large flower clusters resembling hyacinths. Plant during the fall, winter and early spring months. Height 12 to 18 inches. Fine for borders or cutting.

UMBELLATA MIXED-Pkt. 10c, oz. 40c.

GIANT WHITE HYACINTH FLOWERED — A giant Candytuft bearing immense snowy white spikes, which often measure 10 inches or more. Don't fail to give this a trial. Pkt. 10c, 1/2 oz. 60c, oz. \$1.00.

Candytuft, Giant Hyacinth Flowered

CANNA

CROZY'S MIXED-A wide range of colors. Pkt. 10c, 1/4 oz. 20c, oz. 60c.

CANTERBURY BELLS

Generally a biennial but will bloom in Arizona the first spring if planted early in the fall months. Large bell-shaped flowers on strong growing plants. An old favorite. Height 2 ft. Mixed colors: Pkt. 10c. 1/4 oz. 40c. oz. \$1.25.

CASTOR BEAN

(Ricinus) Tall, tree-like, excellent for quick shade. Annual. Very ornamental with large attractive leaves, producing a beautiful tropical effect. Height 6 to 8 feet. Plant in spring and early summer months. Pkt. 10c, oz. 20c, 1/4 lb. 60c.

SWEET SULTAN

CENTAUREA MOSCHATOS-The large thistlelike blossoms are a well known favorite growing to a height of 21/2 feet. Colors range from deep lavender, rose, pink, yellow and white. Plant in the open during the fall months. Mixed Colors. Pkt. 10c, 1/4 oz. 30c, oz. 90c.

GENERAL PLANTING DIRECTIONS FOR GROWING FLOWERS FROM SEED

LOCATION: Nearly all flowers do well in sunny locations. Only a few can be grown in the shade. For flowers blooming in the late spring, high shade from the hot afternoon sun should be provided.

SOIL: Light, rich loamy soil is best suited for flowers. To improve heavy soils and conserve moisture, add peat moss and sand liberally. Spade the soil deeply and make the top 3 or 4 inches as fine and loose and smooth as possible. Well rotted manure worked into the soil before planting may be used if desired.

SOWING THE SEED: Fine seeds should be planted on the surface and a very little soil sprinkled over them, after which they should be pressed firmly to the soil with a board. Medium size seeds may be planted twice the depth of their diameter, or from $\frac{1}{4}$ to $\frac{1}{2}$ inch deep. Larger seeds, such as sweet peas, should go deeper.

WATERING: After planting, water with a fine spray to avoid washing the soil from the seed. Keep top soil damp—not wet—until germination. When large enough, thin plants from 2 to 12 inches, depending upon the variety. Water plants thoroughly ONLY at intervals—not daily. Watering depends upon the time of year, texture of soil and nature of plant.

FERTILIZER: We recommend the use of an all-purpose commercial fertilizer as a top dressing after the plants are up, to stimulate and properly feed the plants.



Sweet Alvssum



Flowers Have a Place in Your Victory Garden



Carnation, Chabaud's Giants

CARNATION

Plant from September until April. Cover seed lightly and protect until established. Transplant to about 12 inches apart. Perennial it in semi-shade during the summer months. Height about 18 inches.

MARGUERITE MIXED—Flowers mostly double in an excellent range of colors. Pkt. 10c, 1/4 oz. 50c, oz. \$1.75.

CHABAUD'S GIANT FLOWERING IMPROVED

—A magnificent strain and one of the largest
carnations grown. Ten to 20 stalks to the plant.
About 95 per cent double. Height 19 to 24
inches. Pkt. 20c. 1/9, oz. \$1.05. /4 oz. \$1.75.

CELOSIA PLUMOSA (Feathered Cockscomb)

Tall feathered plumes 2 ft. or more in height. Very decorative for summer beds or borders. Mixed Only—Colors range from clear yellow to deepest blood red. Pkt. 10c, V_4 oz. 35c, oz. \$1.00.



Columbine, Long Spurred Hybrids

CELOSIA (Crested Cockscomb)

CELOSIA CRISTATA — Showy, sun-loving annuals. Sow seed in the early spring after frost period. Transplant or thin to 10 inches apart. Produce ornamental plants with magnificent combs of velvety flowers.

TALL MIXED—Shades of red, pink, and yellow, about 18 in, high. Pkt. 10c, ¼ oz. 30c, oz. 90c.
TALL CRIMSON — Brilliant velvely crimson combs on stems 2 ft. tall. Pkt. 10c, ¼ oz. 30c. oz. 90c.

EMPRESS — Dwarf rich crimson about 1 foot high. Dark foliage. .Pkt. 15c, $\frac{1}{8}$ oz. 35c, oz. \$1.75.

CELOSIA CHILDSI (Chinese Woolflower)

Flowers resemble huge balls of wool. Plant in early spring in a sunny situation. When cut and hung to dry make unusual everlasting flowers. Height 3 feet.

MIXED COLORS—Include crimson, pink, rose and yellow. Pkt. 10c, 1/a oz. 30c, 1/4 oz. 50c.

CHRYSANTHEMUM (Annual)

Plant seed during the spring months and disbud for large blooms.

SINGLE and DOUBLE MIXED — Many bright shades and varieties. Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c.

CLARKIA

A hardy annual very popular as it thrives well in semi-shady locations. Handsome flowers on leafy stems—nice for beds or cutting. Height 18 inches. Plant in the fall or early spring.

SINGLE AND DOUBLE MIXED—Many colors ranging from bright crimson, orange, salmon, pink and purple. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

COLUMBINE

(Aquilegia) Plant in semi-shade during the fall and winter months. Will make vigorous plants with delicate lacy-like follage and bloom abundantly the following spring. Perennial. Height about 2 to 3 feet.

LONG-SPURRED HYBRIDS — A superb strain producing very beautiful large flowers in all shades of blue, lavender, yellow, rose and white. Mixed colors: Pkt. 15c, 1/16 oz. 40c.

COREOPSIS

Plant seed during the fall and winter months in any location except all shade. The lovely golden yellow flowers have a long blooming period throughout the spring and early summer months. Height 2 tt. Nice for cutting. Perennial.

NEW DOUBLE SUNBURST—Large double flowers. Very bright and showy. Pkt. 10c, ½ oz. 75c. ARIZONA SUNBEAM—Very large golden flowers. Single. Pkt. 10c, ½ oz. 30c, oz. 50c.

Easily Grown Showy Flowers

FOR CUMMEN

FOR SUMMER

Cockscomb
Gaillardia Sunflower
Hollyhock Verbena
Marigold Zinnia

FOR WINTER

African Daisy Petunia
Calendula Poppies
Candytuft Snapdragons
Larkspur Stocks



Coreopsis, Double Sunburst

COSMOS

For a lovely garden during the summer and fall months, plant both early and late varieties of Cosmos throughout the spring and early summer months. Very graceful finely cut foliage with large, long-stemmed flowers. Plants are bushy, ranging from 5 to 3 feet high. Height may be controlled by pinching out center bud. Effective in any situation and make lovely cut flowers. Blooms within 8 to 10 weeks. Annual.

Early Double Crested

Flowers large and mostly double with a crest of narrow petals in the center. Mixed colors: Pkt. 15c, 1/8 oz. 40c, 1/4 oz. 75c, 1/2 oz. \$1.25.

Sensation Cosmos

SENSATION MIXED — Very large flowers in colors of deep rose, light pink and white. Pkt. 10c. 14 oz. 20c. 1/2 oz. 50c. cs. 60c. SENSATION DAZZLER—New. Luscious shade

SENSATION DAZZLER—New. Luscious shade of rich deep velvety maroon. Flowers immense, four inches across with broad heavy fluted petals. Excellent for cutting. Ptt. 15c, 1/4 oz. 35c, 1/2 oz. 60c, oz. \$1.00.

33c, $\sqrt{2}$ 02. 6cc, 02. 51.00. SENSATION PINKIE—Flowers of immense size in a delightful bright rose pink. Pkt. 15c, 1/4 02. 25c, 1/2 02. 40c, 02. 75c.

Orange Yellow Cosmos

EARLY KLONDIKE ORANGE FLARE — Bright orange. Blooms very early. Dwarf. Pkt. 10c, 1/4 oz. 25c, oz. 75c.



Gerberas, Jamesoni Hybrids

Showy Flowers Make Beautiful Gardens

JEFGR. SEED CO.

DAHLIAS

UNWIN'S DWARF HYBRIDS MIXED — Minicature semi-double flowers of charming color. Height 18 to 24 inches. Sow seed in beds or flats and transplant to permanent location. Pkt. 25c.

DAISIES

Not all Daisies look alike, for in this group are some of the finest garden flowers. Easy to grow, sure to bloom and dependable for bouquets for a long time each summer. See also Arctotis and Dimorphotheca, for winter bloom.

Double Daisy

(Bellis Perennis) Plant early in the fall for early spring blooms at which time it blossoms freely. Nice for borders as it grows only 4 to 5 inches high.

MIXED COLORS-Pkt. 20c.

Shasta Daisy

A perennial which may be planted from early fall until late spring. Does well in any situation except complete shade. Valuable for bedding and borders and makes a lovely cut flower. Glistening white petals with yellow center.

ALASKA—The best large flowered single variety. Long, strong stems. Pkt. 10c, 1_{8} oz. 40c, 1_{4} oz. 65c.

GIANT DOUBLE (DIENER'S STRAIN) — Very large and about 80 per cent very double, resembling a delicate shaggy chrysanthemum. New and unusual. Pkt. 25c.

Painted Daisy

(Annual Chrysanthemum) Daisy-like flowers are varied and many colored. Large blooms on long stems, making them particularly valuable for cut flowers. Plant during the fall months. Height to about 2½ feet. All colors mixed: Pkt. 10c. oz. 45c.

DELPHINIUM

(Perennial Larkspur) Tall spikes heavily flowered. Sow seed during the early fall months in the open where they will receive high shade during the flowering period. Height 3 feet.

BELLAMOSUM—A deep royal blue. Pkt. 15c, 1/g oz. 45c.

GOLD MEDAL HYBRIDS—A mixture of lovely blues, lavender and mauve shades. See color illustration page 25. Pkt. 15c, 1/8 oz. 30c.



Shasta Daisies

DIANTHUS

(Chinese Pinks) Hardy annuals, bearing beautifully colored single and double blossoms. Grows about 12 inches high. Plant early in the fall in rows where plants are to remain. Thin to 8 inches apart.

HEDDEWIGI DOUBLE MIXED — All colors in scarlet, pink, and white. **Pkt. 10c.**

HEDDEWIGI SINGLE MIXED—Fine selection of colors. Pkt. 10c.

BLUE LACE FLOWER

DIDISCUS COERULEUS—An annual about 18 inches high. Beautiful clusters of light blue flowers resembling lace, on long stems. Plant in the open where plants are to remain. Easily grown although seed germinates slowly. Keep

DIGITALIS

(Foxglove) Particularly adapted to the higher altitudes but will do well in warmer climates when planted in partial shade. Tall growing plants with very showy blooms. Annual.

FINEST MIXED—Salmon, yellow, purple, rose and white with blotched throats. Pkt. 10c.

EUPHORBIA

Strong growing annual about 2 feet in height. The flowers are small. Grown particularly for its very ornamental foliage.

VARIEGATA (SNOW ON THE MOUNTAIN)— Leaves heavily margined white. Pkt. 10c.

HETEROPHYLLA (ANNUAL POINSETTIA or MEXICAN FIRE PLANT)—Bushy plant growing to α height of 3 feet. In mid-summer center of leaves turn scarlet giving the general effect of the poinsettia. Pkt. 10c.

EVENING SCENTED STOCKS

A delightful free-flowering annual, 6 to 8 inches in height. Flowers are purple and are noted for their fragrance emitted during the evening. Plant during fall and winter months. Pkt. 10c.

FORGET-ME-NOT

(Myosotis) Small blue star-like flowers in clusters. Plant in the early spring months and transplant to a cool, damp location. Annual. Height 1 foot Pkt. 20c.

FOUR O'CLOCK

(Marvel of Peru) Symmetrical bushes growing to a height of 2 feet and bearing red, yellow or white flowers. Plant during the early spring months. All colors mixed: Pkt. 10c, oz. 30c.

GERANIUM

Geraniums will bloom the first year from seed if planted early in the fall. Our mixture contains numerous shades of color, including many of the newest sorts. Pkt. 25c.

TRANSVAAL DAISY

GERBERA JAMESONII HYBRIDS—Large daisylike blossoms with flower stems rising to a height of about 2 feet. Colors range from white to crimson, pink, yellow and lilac shades. Start carefully under a light mulch in a sandy, welldrained soil. Pkt. 25c.



Dianthus, Heddewigi Single Mixed

GAILLARDIA

Effective and valuable summer flowering plants for bedding, borders and for cutting. Sow seed from early fall on through the spring months for a succession of blooms throughout the spring and summer months. Height 1½ ft.

SINGLE AND DOUBLE MIXED — Very large flowers in splendid combinations of crimson, red, yellow and gold. Perennial. Pkt. 10c, 1/2,

THE DAZZLER—Perennial. A vivid orange red with outer edge of petals a golden yellow. Very large. See color illustration page 24. Pkt. 15c, 1/4 oz. 56c.

INDIAN CHIEF — Large flowered and single.

Metallic bronzy red with mahogany-brown center. Annual. Pkt. 15c, 1/4 oz. 25c.



Cosmos, Sensation Mixed



All Flower Seeds Are Shipped Postpaid

HELIOTROPE

Small flowers but very fragrant. Forms a large plant 4 to 8 feet high and requires a roomy situation. Plant during the early spring

DARK BLUE-Pkt. 25c.



Indispensable wherever height and color are required in the garden. The giant stalks with closely placed double, semi-double or single flowers rise to a height of 6 to 7 feet. Seed sown in the fall will bloom throughout the following season.

MIXED-Selected seed from the most choice double flowers in all colors. Mixed: Pkt. 10c, 1/4 oz. 60c.

HOLLYHOCK INDIAN SPRING-Silver Medal, All-America Selection, 1939. Semi-double flowers of bright rose and rosy carmine. Pkt. 15c, 1/4 oz. 65c.



(Mexican or Giant Yellow Tulip Poppy) Height 2 feet. Bushy perennial, having a long blooming period. Similar to the California Poppy but of a lighter canary yellow. Nice for cutting.

SUNLITE—Gorgeous semi-double. Clear bright yellow. Pkt. 15c, 1/4 oz. 50c.

GIANT SINGLE — Magnificent golden yellow flowers with orange anthers. Pkt. 10c, 1/4 oz.



(Mesembryanthemum Crystallinum) This variety is grown for its glistening foliage. Leaves large, fleshy and covered with glistening dots. Height 8 inches. Plant fall and spring. Pkt.

BURNING BUSH

KOCHIA CHILDSI (Summer Cypress)—A highly ornamental annual plant having a cypress-like appearance. A bright green until autumn when it turns to a bright red from which it gets two other names, "Mexican Fire Plant" and "Burn-ing Bush". Plant during the spring months. Pkt. 10c, oz. 30c.

LANTANA

Perennial—Grows only 2 to 3 feet high but bears a profusion of verbena-like flowers in a wide range of gorgeous colors. Is cut back by frost but renews its runners each year, becoming more luxuriant each year. Plant through spring and early summer months.

Mixed Colors-Pkt. 10c, 1/4 oz. 50c.

LINARIA

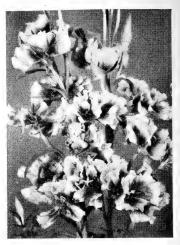
(Baby Snapdragons) Pretty annuals-attractive in beds and as cut flowers. Plant through the fall and early spring months. Height 2 feet.

MIXED—Include blue, rose, lavender, yellow, etc. Pkt. 10c, $\frac{1}{2}$ oz. 40c, oz. 75c.

LINUM

(Scarlet Flax) A hardy annual of slender and graceful appearance with fine foliage and bright red flowers. It makes beautiful beds and borders and is largely used for mass display Plant in the early fall; also early spring. Height 11/2 to 3 feet Pkt. 10c. oz. 50c.

PERENNE (BLUE FLAX)-Like Scarlet Flax but producing a profusion of deep blue flowers.



Godetia, Tall Double

LOBELIA

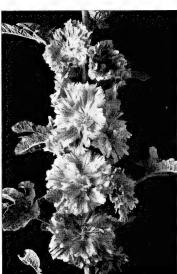
CRYSTAL PALACE—Plants very compact profusely covered with rich blue flowers. Height 4 inches. Excellent border plant. Sow seed during the fall months. Pkt. 15c.

EVERLASTING PEA

LATHYRUS LATIFOLIUS, Fine Mixed-A hardy perennial climber of great beauty with elegant sweet pea-like flowers in great profusion; height 6 to 8 feet. Pkt. 10c, 1/2 oz. 60c, oz. \$1.00.

Liefgreen's Flower Planting Chart for the Salt River Valley

COMPLETE CHECK LIST OF FLOWER SEEDS-SEE PAGE 34.



Hollyhock, Indian Spring



Geum, Mrs. Bradshaw

GEUM

Plant seed in the spring for a long blooming period during the summer months. Flowers in small clusters on long strong stems. Perennial.

MRS. BRADSHAW-Dble. Bright red. Pkt. 15c. MIXED VARIETIES-Orange, red and yellow shades. Pkt. 15c.

GODETIA

Very lovely annual plants specially suited for semi-shady locations. The flowers are bright and colorful somewhat resembling the Azalea in form. Stems are long, making them valuable for cut flowers.

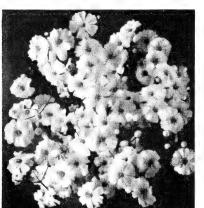
TALL DOUBLE MIXED—Many colors including crimson, salmon, pink and white. Pkt. 10c, 1/4 oz .30c.

GYPSOPHILA

(Baby Breath) The light feathery sprays of tiny flowers. Sow seed during the fall months where they are to remain. Height about 18 inches.

ELEGANS GRANDIFLORA - Pure white. Pkt. ELEGANS CARMINE—A beautiful deep carmine

in color. Pkt. 10c, oz. 60c.



Gypsophila elegans grandiflora

Liefgreen's Select Quality Assures Success



LARKSPUR

Few annuals in our gardens equal the Larkspurs in usefulness and charm. The double stock flowered strains are heavily branched, grow to α height of 3 feet or more and produce α continuous succession of blooms over a long period during the spring months. Sow seed in the open during the fall months.

LIEFGREEN'S GIANT DOUBLE STOCK FLOWERED

Lustrous Carmine White Each color: Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

Giant Stock Flowered Mixed-All above colors in a grand mixture. Pkt. 10c. 1/4 oz. 30c. oz. 90c.

LIEFGREEN'S GIANT IMPERIAL LARKSPURS

A superior strain, upright in habit, branching from the base. Very double. See color illustration page 25.

Superb Mixed—All colors. Pkt. 15c, 1/4 oz. 35c, 1/2 oz. 60c, oz. \$1.00.

LUPIN

Exceedingly attractive annual and easily grown. The handsome spikes covered with a profusion of blooms grow to a height of 2 to 3 ft. Plant during the fall, winter and spring months. Thin to about 12 inches apart. Semi-shade.

HARTWEGI-Dark blue, Roseous pink and Mixed colors. Each: Pkt. 10c, oz. 50c.

MIGNONETTE

A hardy annual growing from 6 to 12 inches high. Can be grown in shady places. Plant during the fall, winter and spring months.

GIANT MACHET, Mixed-Pkt. 10c.

NEMESIA

A very pretty and effective annual l ft. high, used for beds and borders and edging. The flowers resemble a miniature snapdragon and have a color range of rose, yellow, orange, blue, etc.

MIXED COLORS-Pkt. 15c.

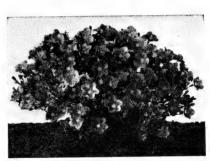
NEMOPHILA

(Baby Blue Eyes) Nice for carpet bedding, growing about 6 inches high. Blossoms cup-shaped

INSIGNIS BLUE-Pkt. 10c, oz. 40c.



Larkspur, Giant Imperials



Nierembergia Hippomanica

PLANT A FLOWER BORDER

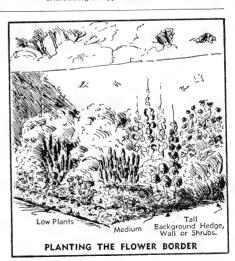
The flower border can be a very pleasing and colorful part of the home grounds—with small cost and little effort to Keep it looking well. Most everyone has planted solid beds of one kind of flower, such as Zinnias, and the results have been generally very good. Other flowers blooming at the same time could be planted with them to offer contrast and variety in the garden and to give a wider choice of cut flowers. In the sketch at the left, the dwarfer kinds are placed in the very front either in a continuous row or broken by bold bands of different kinds. Between the front planting and the rear which takes the tallest varieties we place the many kinds of intermediate height, always placing the taller behind the smaller. Choose your favorites from the suagestions below and include some of the light, graceful flowers known as "fillers". They blend the colors of the bolder kinds and make very fine additions to bouquets. In this group are Gypsophila, Nigella, Queen Anne's Lace, and Shasta Daisles.

For Spring and Summer Gardens Medium Gaillardia Geranium Cockscomb Ageratum Gerbera Alyssum Nasturtium Kochia Marigolds Shasta Daisy antana Nicotiana Petunia Vinca Portulaça Verbena Zinnia

For Fall and Winter Gardens Medium African Daisy Ageratum Lupin Painted Daisy Petunia Alvssum Pansy Petunia Calendula Phlox Poppies Carnation Pinks Verbena Clarkia Columbine Scabiosa Virginian Stock Nemophila Snapdragon Linum Stocks

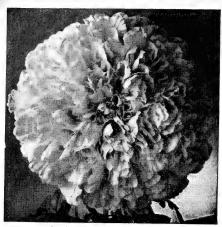
Tall Castor Beans Cosmos Gourds on Supports Hollyhocks Morning Glory on Supports Sunflower Tithonia

Tall Hollyhock Larkspur Snapdragon Sweet Peas on Supports





Marigolds . . . for Showy Summer Flowers



Marigold Gigantea, Sunset Giants

MARIGOLDS

Tall and Dwarf. Provide Brilliance of Color all Summer

The African and French Marigolds supply a profusion of gorgeous blooms throughout the summer and fall months. Sow seed during early spring and summer months in a sunny exposure, preferably in light soil. Cover seed about 1/8 inch deep and when up thin to 10 or 12 inches apart.

African Marigolds

Produce their large flowers on long tall stems standing erect on the plant which attains a height of 18 inches to 21/2 feet. Make splendid cut flowers.



Marigold Goldsmith

AFRICAN MARIGOLDS

TALL AFRICAN DOUBLE ORANGE—Very large golden orange flowers.

TALL AFRICAN DOUBLE LEMON — Very large bright clear yellow flowers. Pkt. 15c, ½ oz. 30c, ½ oz. 51.60.

TALL AFRICAN DOUBLE MIXED—The above colors mixed. Pkt. 10c, 1/4 oz. 50c, oz. \$1.50.

GUINEA GOLD—The flowers of this exquisite Marigold are loosely ruffled, semi-double and of medium size. The color is a brilliant golden orange. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

GIGANTEA SUNSET GIANTS MIXED—Flowers are loosely formed with the heavy petals gracefully overlapping. Gigantic in size with a color range of deep orange through all shades of yellow. Very tall. Pkt. 15c, 1/4 oz. 45c, oz. \$1.25.

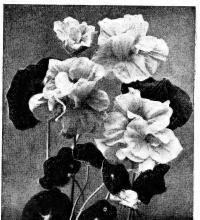
MARIGOLD, GOLDSMITH—See color illustration page 25. anthenum-flowered golden orange, base branching and with good stems for cutting. Full double flowers on strong bushy plants of from 2 to 4 feet in uniform height. Early and free-blooming. Pkt. 15c, 4 oz. 65c.

GIGANTEA POT OF GOLD, DWARF—10 to 12 inches. Early flowering, producing a mass of intense dazzling golden orange flowers, of immense size. Pkt. 20c, ½ oz. 40c, ¼ oz. 75c.

NIGELLA

Hardy annual 1 foot high, oddly shaped blossoms, elegant foliage. Sow during fall and winter months.

MISS JEKYLL—A long-stemmed sort with beautiful cornflower-blue blossoms. Pkt. 10c, $\frac{1}{2}$ oz. 40c, oz. 75c.



Nasturtium Double Gleam

FRENCH MARIGOLDS

The French Marigolds are used principally for beds and borders. The individual plants are spreading in habit and are covered continuously with a mass of gorgeous blooms throughout the summer and fall months. Height 12 to 14 in.

DWARF DOUBLE HARMONY HYBRIDS—Flowers medium size with a color range of golden orange, golden yellow, innumerable blotched and striped combinations of golden orange and yellow and maroon contrasting, all with crested centers. Blooms within 75 days. Pkt. 10c, 4 oz. 35c, oz. \$1.00.

DWARF HARMONY—Exquisite blooms with cushion-like centers of fluted, deeply cut golden orange centers surrounded by several rows of redeish brown outer petals. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

DWARF DOUBLE FRENCH MIXED—Many combinations in golden orange, lemon yellow, maroon and mahogany. Pkt. 10c, 1/4 oz. 20c, oz. 50c.

NIEREMBERGIA

(Hippomanica) Plants form a dense mat, 6 in, high, 1 ft. or more across, and are thickly covered with beautiful lavender blue cup-shaped flowers. Plant during the fall and winter months. Highly recommended.

PURPLE ROBE—New improvement with deep non-fading purple flowers. Same compact low growth, fully as free-blooming. Excellent for edging the flower border. Pkt. 25c.

NICOTIANA

(Flowering Τοbαcco) A hardy annual growing 3 to 4 feet high and of branching habit. The plants are cevered with slender tubular flowers all summer. They may be used as α background or as single specimens. Popular for its evening fragrance.

SANDERAE MIXED—A new, large, flowering type with various bright colored blossoms. Pkt. 10c.

NASTURTIUMS

Plant in February and March for spring flowers and early in the fall in protected places for fall blooming. Nasturtiums prefer dry, rather rocky soils such as we usually call "poor" soil and bear their flowers in such locations in greater profusion than in a rich soil, where they run too much to foliage.

Semi-Double Sweet-Scented Nasturtiums

SCARLET GLEAM—Bright red extra large flowers. Bush type which throw out runners averaging 12 to 18 inches. Pkt. 10c, oz. 35c.

GOLDEN GLEAM—Like Scarlet Gleam but of an attractive bright golden yellow color. Pkt. 10c, oz. 35c.

GLORIOUS GLEAM HYBRIDS—Same habit and growth as Golden Gleam and Scarlet Gleam. A glorious assortment of brilliant shades. Pkt. 10c, oz. 35c.

Single Nasturtiums

LIEFGREEN'S SPECIAL TALL SINGLE MIXED—All single flowers, unusually large. Mixture contains many new colors and varieties as well as the old-fashioned ones. Pkt. 10c, oz. 25c.

LIEFGREEN'S SPECIAL DWARF SINGLE MIXED—Compact plants entirely without range as the Tall sort. Pkt. 10c, oz. 25c.

DWARF DOUBLE GEM MIXTURE—Ideal annual for borders and edging use. The plants are truly dwarf and compact. The flowers are of good size, sweet-scented and semi-double. Colors include all shades and many spotted varieties.



Liefgreen's Giant Spencer Sweet Peas

HOW TO GROW SWEET PEAS

SWEET PEAS are so well known they need no description. We offer only the Giant Flowering Spencer strain in both the Early Flowering and the Spring Flowering types.

We offer only the Giant Flowering Spencer strain in both the Early Flowering and the Spring Flowering types.

CULTURE: Sow seed in a location that receives morning and early afternoon sun. Seed may be planted from early fall to early spring. Dig a trench about a loot wide and deep and fill in with 6 inches of well-rotted manure. Mix a liberal amount of manure with the soil that has been removed and replace it. Flood bed thoroughly and allow to stand several days before planting seed. After the soil has settled sufficiently, open a trench in the bed about 6 inches deep and plant ONE OUNCE of seed to about 20 or 3 feet of row. During the warm weather cover seed about 2 or 3 inches deep and in cooler weather about 1 inch is sufficient. CARE MUST BE TAKEN DURING WARM WEATHER NOT TO ROT THE SEED WITH TOO MUCH MOISTURE. After planting seed soak the trench thoroughly and cover to pwith a light mulch of peat most to prevent the surface soil from drying out and cracking. When the plants are up about 3 or 4 inches thin out to about 4 inches apart and begin drawing the earth to the plant to insure a deep root system. This makes a trench neach side of the plant along which the plant in great theight. Frequent cultivation, water as needed after plants are up and occasional applications of Sweet Pea Food or a good all-purpose commercial fertilizer, will insure a profusion of lovely blooms. A long blooming season may be had by keeping the blossoms picked.

Inoculate Seed with LEGUME-AID

LEGUME-AID is a NITROGEN-fixing bacteria for inoculating legume seed, such as SWEET PEA SEED, LUPINS, etc. Legume-Aid increases the yield, improves the quality and enriches the soil. It comes in dust form in moisture-proof packages and no water is needed. One garden packet inoculates up to 5 pounds of Sweet Peas, Lupins, Beans or garden peas.

Pkt. 10c, postpaid.

CUPID SPENCER SWEET PEAS

Sweet peas in bush form. Lovely large blooms of true Spencer type, borne profusely on small trailing plants grow-ing not more than 9 inches tall. Grand for borders and mass-ing. Light shades, bright pink predominating. Pkt. 15c. ing. Light shades, bright p 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.25.

Liefgreen's Giant Early Flowering Spencer Sweet Peas

Plant the Early Flowering type sweet peas in the early fall and Prior the Early Flowering type sweet peas in the early fall due winter months for early winter and early spring blooming. Again early in the spring months for later spring blooming. This type sweet pea blooms from four to six weeks earlier than the Spring Flowering Spencers. The plant starts climbing immediately after germination. We offer the very latest and finest types adaptable to Arizona climate.

AMETHYST-Royal purple.

BALL'S ROSE IMPROVED-Rich, deep rose pink.

CREAM-Rich soft deep cream

COLUMBIA-Bicolor. Salmon rose, white wings.

EXPOSITION PINK-Gorgeous rich pink.

HOPE-Pure alistening white.

I.AVANDA-Pure clear layender.

MARINER-Clear marine blue

MARS-Bright crimson red.

MEMORY-Rosy lavender.

PRIDE-Cerise, long stems.

OTHELLO-Maroon.

SEQUOIA-Golden cerise.

SHIRLEY TEMPLE-Very large, frilled, soft rose pink.

SKIPPY-Light salmon pink. TRIUMPH-Lilac mauve

VALENCIA-Sunproof orange

Each: Pkt. 15c, 1/2 oz. 35c, oz. 65c, 1/4 lb. \$2.00.

Liefgreen's Giant Spring Flowering Spencers

Plant in a sunny location for blooming during the spring months. Will bloom from four to six weeks later than the Early Spencers. Planted during the early fall and winter months, they make a growth of only about 6 to 8 inches with numerous tendrils at the base which rapidly climb during the warm early spring months. Our selection of this type is the latest and finest varieties grown;

BLANCHE FERRY-Bicolor. Bright red and white

CHIEFTAIN-Satiny lilac mauve.

CHINESE BLUE-Rich deep blue.

CREAM GIGANTIC-Largest deep soft cream.

DAMASK ROSE-Deep rose

JACK HOBBS-Flushed scarlet pink on cream ground.

IIIMBO-Deep cerise

KING LAVENDER—Clear pure lavender.

OLYMPIA-Bich purple

PINKIE-Clear bright pink.

PIRATE OF GOLD—Golden orange.

RED SUPREME-Deep crimson. Very bright.

SMILES-Salmon shrimp pink.

WARRIOR-Margon.

WHITE GIGANTIC-Large pure white

YOUTH-Large white, pink picotee edge.

Each: Pkt. 10c. 1/2 oz. 25c. oz. 45c. 1/4 lb. \$1.50.

SPECIAL SWEET PEA COLLECTIONS

SPECIAL MIXTURE Special Early Flowering

Spencer Mixture

Containing the very finest varieties

Pkt. 10c, 1/2 oz. 25c, oz. 45c, 1/4 lb. \$1.35, 1 lb. \$4.50.

GIANT EARLY FLOWERING SPENCER SWEET PEAS l pkt. each of the following colors of named varieties listed

8 15c pkts. \$1.00

above: Blue, Pink, White, Lav-ender, Salmon, Red, Orange,

12 10c pkts. \$1.00 GIANT SPRING FLOWERING

GIANT SPRING FLOWERING SPENCER SWEET PEAS

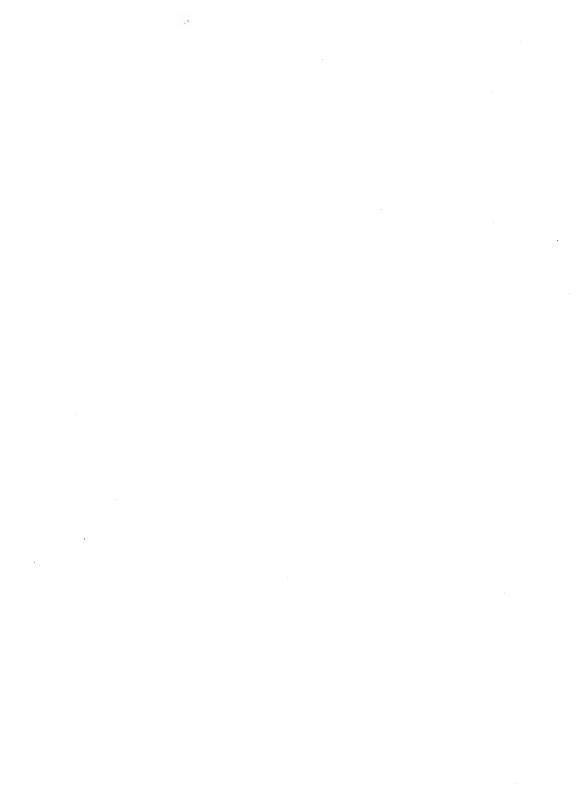
1 pkt. each of the following colors of named varieties listed above: Blue, Pink, White, Layender, Salmon, Red, Orange, Cerise, Purple, Cream, Picotee, Maroon.

SPECIAL MIXTURE

Special Giant Spring Flowering Mixture

All the best varieties and many of the newest.

Pkt, 10c, oz. 30c, 1/4 lb. 90c. 1 lb. \$3.00.





TITHONIA FIREBALL

Great tall perennials making an excellent screen of foliage studded with large, showy flowers in hot summer. Pkt. 25c, 5 pkts. \$1.00; 1 g oz. 60c.



CALENDULA, CAMPFIRE SENSATION IMPROVED

One of the finest winter flowers, for its large showy brilliant orange flowers have excellent form and are fully double. Showy in beds and fine for cutting. Pkt. 15c, 1/4 oz. 35c, oz. 90c.



NIEREMBERGIA PURPLE ROBE

A new development of the popular Nierembergia hippomanica with deep purple flowers. Free flowering and very worth while. Pkt. 25c, 5 pkts. \$1.00.



LIEFGREEN'S FLOWER SEEDS

-- OIL NE CAA 110--



HELIANTHUS, SUNGOLD (SUNFLOWER)

Massive bright golden yellow, very double flowers for cutting. Very striking and showy. Pkt. 10c, 1₂ oz. 35c, oz. 60c.

Quality Always!

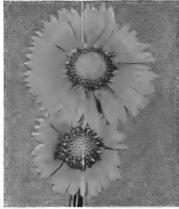


Lovely dark glossy green foliage and either pink or white. Mixed colors. Pkt. 15c, 1/4 oz. 50c.



PETUNIA RADIANCE

Very bright flowers of rich rose with brownish veins and yellow throat. An outstanding variety growing to a uniform height and blooming freely. Pkt. 25c, 5 pkts. \$1.00.



GAILLARDIA, THE DAZZLER

Sunshine and warmth bring out the glory of this vivid flower. Of medium height, the bright golden yellow flowers have orange-red centers. Pkt. 15c.



AGERATUM MIDGET PLUE

This very dwarf variety forms very compact plants, freely covered with fluffy blue flowers over a long season. Pkt. 25c, 5 pkts. \$1.00.



PORTULACA, DOUBLE MIXED

dry sunny places. Six inches in height Wide color range. Pkt. 20c, 1 a oz. S1.25, 1/a oz. \$2.00.



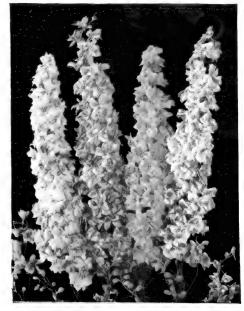
MARIGOLD GOLDSMITH

One of the newer Chrysanthemum flowered Marigolds- which are among our showiest summer flowers. Pkt. 25c, 5 pkts. \$1.00.



DELPHINIUM, GOLD MEDAL HYBRIDS

Tall stately Delphiniums, with long spikes of double, lovely hybrids are among the best. Pkt. 15c, 1/8 oz. 30c, 1/4 oz. 50c.

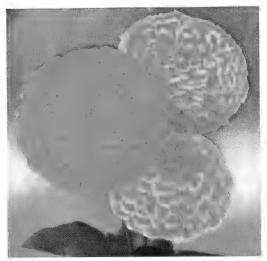


LARKSPUR, GIANT IMPERIAL

Showy, free-flowering annuals with finely cut leaves and tall spikes of double flowers. Mixed. Pkt. 15c, 1/4 oz. 35c, 1/2 oz. 60c, oz. \$1.00. See listing page 21.



ZINNIAS - Arizona's Most Popular and



Zinnia, Super Crown O'Gold, Pastel Tints

Zinnia, Super Crown o' Gold, Pastel Tints

This new Zinnia has each petal overlaid at the base with deep golden yellow, while carrying out the individual flower color at the tip. It is of immense size—midway between the Dahlia Flowered and Giant Mammoth types. Grows to a height of 3 feet. The new pastel tints are bright, containing a wide range of pastel tints.

MIXED ONLY-Pkt. 15c, 1/8 oz. 25c, 1/4 oz. 45c, 1 oz. \$1.50.

Liefgreen's Gold Medal Dahlia Flowered Zinnias

The DAHLIA FLOWERED ZINNIA is the most popular of all the Zinnia types grown. They resemble a Dahlia in appearance, and when in full bloom often measure 5 and 5 inches in diameter. The plants are of medium height, 2½ to 3 ft., very robust, bearing many strong stems of the fully double, beautifully colored flowers. Excellent for garden show are for cut flowers.

WILL ROGERS—Loveliest and most brilliant scarlet-red.

GOLDEN DAWN—Golden yellow, almost a light orange.

ELDORADO—Salmon apricot in delightful shades.

EXQUISITE-Light rose with deep rose center.

GOLDEN STATE-Yellow orange in bud turning to deep orange.

DREAM-Deep rosy lavender.

POLAR BEAR-A very large pure white.

ILLUMINATION—A deep soft rose.

ORIOLE—An immense orange and gold bicolor.

CRIMSON MONARCH—Deep crimson. Flowers very large.

CANARY BIRD-Delicate primrose yellow.

PURPLE PRINCE—Dark purple.

Each Color: Pkt. 15c, 1/4 oz. 50c, 1/2 oz. 80c, oz. \$1.50.

LIEFGREEN'S GOLD MEDAL DAHLIA FLOWERED ZINNIA MIXTURE— A blend of the very best types of Dahlia Flowered Zinnias. Pkt. 10c, 1/4 oz. 35c, 1/2 oz. 65c, oz. \$1.25.

COLLECTION — The entire collection of 12 Dahlia Flowered Zinnias. Value \$1.80, for \$1.25, postpaid.

75c COLLECTION—6 15c pkts. 75c, postpaid.

ZINNIAS

The Zinnia is possibly more at home in the warmer sections of Arizona than any other flower. It is sun-loving, very easy to grow and a favorite in thousands of Arizona gardens. We wish to stress the fact that our Zinnias are absolutely the best strains in existence. The Zinnia is strictly a hot weather plant and should not be planted until March. Plantings may be continued throughout the summer.

CULTURE—Plant after all danger of frost is over. The seed should be planted about one-half inch deep and the seed bed covered with a mulch of our horticultural peat moss or grass to conserve the top moisture. Plant in rich soil in rows at least three feet apart and thin out plants so they are about 12 inches apart. Never plant Zinnias in the shade as they delight in the full sunstine. Keep the rows free and clean from Bermuda grass and weeds and cultivate and irrigate often. To avoid mildew dust the ground around the plants with dusting sulphur as soon as the buds appear. If you follow these instructions we know your efforts will be rewarded

Liefgreen's Lilliput Pompon Zinnias

The Lilliput Zinnias are the most popular for cut flowers. The flowers are small, compact and symmetrical in shape, 1 to 11/2 inches in diameter, borne in great quantities on neat, compact plants, 18 to 24 inches in height. We offer the most popular of the brilliant shades.

CANARY YELLOW—Bright golden yellow.

WHITE GEM-Pure white.

ORANGE QUEEN-Golden orange.

SALMON ROSE-Unique shade of soft rose.

PURPLE—A rish deep purple.

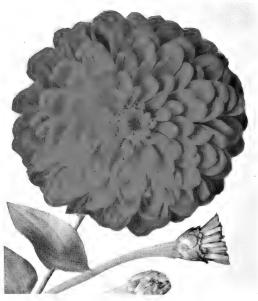
CRIMSON GEM—Beautiful ruby red.

LILLIPUT POMPON MIXED—All bright shades.

Each: Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

LILLIPUT ZINNIĀS

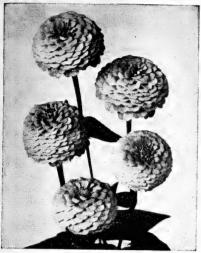
SPECIAL COLLECTION—Six varieties, one each of the 6 colors listed above. 60c value for 40c, postpaid.



Zinnia, Will Rogers

Most Colorful Summer Garden Flowers





Zinnia, Lilliput Pompon

Lilliput Zinnias, Pastel Mixture

Lovely pastel colors of this miniature zinnia are well worth a place in every garden. Small, about 1 inch across, they are very double. Plant in front part of the summer border. Height 12-18 inches. Pkt. 10c. 1/4 oz. 35c, oz. \$1.00.

LIEFGREEN'S NOVEL AND INTERESTING TYPES OF ZINNIAS

Dwarf Types of Zinnias

LIEFGREEN'S TOM THUMB ZINNIA—The compact plants of the dainty strain are 6 to 8 inches high and are covered with well formed flowers of the Lilliput type. There is a complete range of Zinnia colors in this mixture. Excellent for borders or for mass planting.

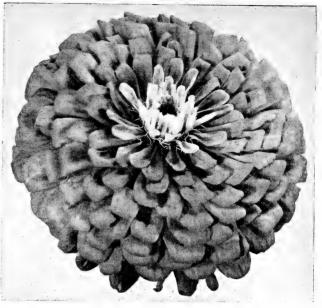
MIXED COLORS ONLY—Pkt. 15c, 1/4 oz. 60c, oz. \$1.75.

HAAGEANA DOUBLE (MEXICAN HYBRIDS) — Dwarf, plant carrying prettily marked flowers. Nice for bedding and make a brilliant display. Mixture contains many attractive colors and color combinations. MIXED ONLY-Pkt. 15c, 1/4 oz. 50c, oz. \$1.50.

ZINNIA LINEARIS—Dwarf single variety. Flowers are small and a lovely shade of golden orange with a delicate lemon yellow stripe through each petal. The flowers are produced in great profusion, literally covering the plant which sometimes has a spread of as much as 2 feet by the end of the season. Pkt. 15c, $\frac{1}{6}$ oz. 40c, $\frac{1}{4}$ oz. 75c.



Zinnia, Scabiosa Flowered



Arizona Giant Zinnia

Liefgreen's Arizona Giant or Mammoth Zinnias

This strain is, in some ways, a companion type to the Dahlia Flowered. The plants are, however taller than the Dahlia Flowered type, reaching a height of 3 to 4 feet. The flowers are very large and well formed, with smooth topped, graceful appearance, the petals lying flat upon each other. The colors are very bright and clear and altogether it is one of the showiest of the large-flowered Zinnias.

GIANT LEMON QUEEN—Clear bright yellow

GIANT ORANGE QUEEN—New orange shade, exceptionally bright. ENCHANTRESS-Light pink, rose center.

SCARLET QUEEN-Glowing deep scarlet.

GIANT PURITY—Large pure white.

GIANT-Lavender gem.

GIANT PURPLE QUEEN-Deep purple.

Each: Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

LIEFGREEN'S GIANT MAMMOTH MIXED—Many beautiful colors. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

.......... SPECIAL COLLECTION

LIEFGREEN'S GIANT OR MAMMOTH ZINNIAS

One each of 7 varieties, value 70c, for 50c POSTPAID

Fantasy Zinnia (Crested and Curled)

The flowers of this type Zinnia have a graceful informal shaggy appearance. The petals are ray-like, curled and interwoven and are quite distinct from all other types of Zinnias. Flowers are of medium size, $2V_2$ to 3 in., and the plants grow to a height of about $2V_2$ to 3 feet.

FANTASY, WHITE LIGHT-Pure glistening white. FANTASY, STAR DUST-Rich golden yellow.

FANTASY, ORANGE LADY—Bright deep orange.

FANTASY, ROSALIE—Beautiful shade of intense rose.

FANTASY, WILDFIRE-Rich dazzling scarlet.

Each Color: Pkt. 20c, 1/8 oz. 25c, 1/4 oz. 45c, oz. \$1.50.

FANTASY FINEST MIXED - All bright colors. Pkt. 15c, 1/4 oz. 35c, oz. \$1.25.

Zinnia Scabiosa Flowered

Medium size flowers composed of a row of broad rays or outer petals similar in form to the annual scabiosa surrounding a pincushion mass of smaller petals. About 2-2½ feet high. Excellent as a cut flower. All the lovely bright shades. Mixed colors only. Pkt. 15c, ¼ oz. 45c. oz. \$1.50.



PETUNIAS . . . Unexcelled for Beds and Borders



Petunia, All-Double America



Petunia Violacea



Petunia Hybrida SPREADING TYPE

PETUNIA, RADIANCE - See color illustration page 24. A very brilliant and rich rose or cerise color with brown veined yellowish throat. Begins blooming very early and profusely; of uniform height, branching nicely. An outstanding petunia. Pkt. 25c.

VIOLACEA—Deep velvety purple. Pkt. 15c, 1/8 oz. 45c.

HOWARD'S STAR-Velvety purple with pure white star center. Pkt. 15c, 1/8 oz. 50c.

TOPAZ ROSE-Fiery rose suffused gold; topaz color throat. Pkt. 15c, 1/16 oz. 50c.

WHITE KING-Very large pure white flowers. Pkt. 15c, 1/8 oz. 45c.

GEN. DODDS-A rich blood red. Flowers are large and free blooming. Pkt. 15c, 1/8 oz. 45c.

BLACK PRINCE—Balcony type. Deep velvety red. Pkt. 20c, 1/16 oz. \$1.00.

HYBRIDA MIXED - Very choice mixture of many lovely colors, including the striped and blotched. .Pkt. 10c, 1/8 oz. 40c, 1/4 oz. 75c, oz. \$2.50.



Petunia, Topaz Rose

PETUNIAS

PETUNIAS cannot be equaled for beds and borders. They flower throughout the year even through the hot summer months. Start planting in September and continue through the spring months. Scatter seed thinly on an even well prepared soil and cover lightly with fine slit or sand, pressing firmly with a board so that seed adheres to the soil. A light mulch of barnyard fertilizer or peat moss is beneficial. Thin plants to 8 to 12 Inches. Do not over water. Petunias grow from 1 to 11/2 feet high, except miniature sorts and the dwarf single bedding types, which attain 8 inches or less.

New and Popular Petunias

ALL-DOUBLE AMERICA—Silver Medal, All-America Selections, 1943. America's first all-double Petunia to be introduced. It is the finest of all new flowers. Plants are compact and uniform, 1 foot high and 11/2 feet across. The rose-pink flowers, 2 inches in diameter, fill the plant during fall, winter and spring, even through the summer. **Pkt. 50c.**

PETUNIA, GIANTS OF CALIFORNIA—Fringed and ruffled. Light and dark colors with attractive deep throats, many beautifully veined. Mixed colors only. Pkt. 25c, 5 pkts. \$1.00.

Petunia Hybrida Grandiflora, Petunia Hybrida Nana Erecta **Giant Flowered**

VELVET BALL-Plant is ball-shaped and compact. Height 8 inches. Flowers very large and a velvety blood red. Pkt. 25c, 5 pkts. \$1.00.

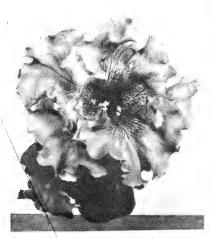
BURGUNDY—Rich wine red, contrasting white throat. Compact and dwarf. Very large flowers. Pkt. 25c, 5 pkts. \$1.00.

Dwarf Compact Bedding

SALMON SUPREME—Soft pastel salmon. Pkt. 25c, 5 pkts. \$100.

ROSY MORN IMPROVED — Soft rose, white throat. Pkt. 15c, 1/8 oz. 75c.

ROSE OF HEAVEN—Rich, brilliant rose, a trifle deeper than Rosy Morn. Pkt. 15c, 1/8 oz. 75c. BLUE BEDDER - Finest bright mid-blue. Pkt.



Retunia, Giants of California



Petunia, Burgundy

All Liefgreen Flower Seeds Are Shipped Postpaid

PANSIES

PANSIES are so well known they need no description. For successful germination and lovely blooms, prepare the soil carefully. Plant seed during the fall months in a semi-shady location, in well moistened, finely pulverized soil, enriched with a slight amount of barnvard fertilizer or bone meal. Cover seed lightly and firm soil. Keep beds moist but not soaking wet until plants are up. Transplant to 8 to 12 inches apart. Water young plants very sparingly to avoid damping off, but do not allow soil to dry out at any time. Annual.

STEELE'S GIANT MASTODON JUMBO MIXED

This is the original strain from Steele's Pansy Gardens and are the largest and most beautiful pansies grown. Many colors and color combingtions. Stems very long and strong, standing well above the foliage. Pkt. 50c, large pkt. \$1.00, 1/16 oz. \$2.25, 1/8 oz. \$3.50, 1/4 oz. \$6.00.

CIANT SUPER MADIE LEAF MIXED

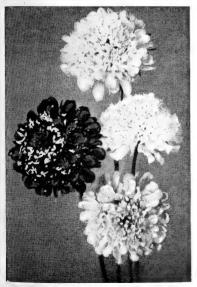
One of the largest pansies grown. Immense flowers, long stems and brilliant colors. Large pkt. \$1.00, half size pkt. 50c, 1/16 oz. \$1.50, 1/8 oz. \$2.75, 1/4 oz. \$5.00.

LIEFGREEN'S SPECIAL LARGE FLOWERED SWISS GIANTS

Large size flowers of excellent uniform quality on long, strong stems. All colors and color combinations represented. Many frilled and sweet-scented. Pkt. 25c, 1/16 oz. \$1.50, 1/8 oz. \$2.50, 1/4 oz. \$4.00.

LIEFGREEN'S FINE MIXED PANSY

Medium size blooms, extremely free flowering. Especially desirable for larger beds and borders where a mass of color rather than size of the individual bloom is wanted. A full range of color. Pkt. 15c, 1/8 oz. \$1.50, 1/4 oz. \$2.50.



Scabiosa Grandiflora Mixed

ANNUAL PHLOX Phlox Drummondi

Large verbena-like flower growing in clus-Large Verbend-like Hower growing in clus-ters on long strong stems. Compact plant. Fine for bedding, borders and cut flowers. Plant in the open in the fall and winter months for a gorgeous display of blooms during the spring

GIGANTEA ART SHADES, MIXED-Individual flowers immensely large. Color tones beautiful and unusual. Height 12 to 18 inches. Mixed colors. Pkt. 15c, 1/8 oz. 65c, 1/4 oz. \$2.00.

PORTULAÇA

(Moss Rose) A very showy low growing bedding plant about 6 inches high with fine foliage. Bears a profusion of cup-shaped flowers in brilliant colors of red, orange, yellow, rose, pink and white. Plant during the spring months in a sunny location.

DOUBLE FINEST MIXED — Flowers perfectly double. See color illustration page 25. Pkt. 20c, 1/3 oz. \$1.25, 1/4 oz. \$2.00.

SINGLE MIXED—Resembles a small wild rose. Pkt. 15c, $\frac{1}{8}$ oz. 50c, $\frac{1}{4}$ oz. 95c.

PYRETHRUM

ROSEUM—Large Marguerite-like flowers with fine fern-like foliage. Graceful and long lasting cut flowers. Height 2 ft. Plant during the fall and winter months.

SINGLE MIXED-Pkt. 10c

Queen Anne's Lace Flower

This hardy annual grows to a height of 3 to 4 feet. The large loosely formed terminal clusters of tiny white flowers are used extensively as cut flowers. Plant during the fall and early winter months. Pkt. 10c, 1/4 oz. 25c.

RANUNCULUS

Full rose-like blooms on strong stems 1 ft. high. Grown from seed or bulbs. Flowers double, semi-double and single in shades of red, orance, gold, pink and white. Plant during the fall months in well drained soil and a supply location. sunny location.

MIXED COLORS-Pkt. 10c.

SALPIGLOSSIS

Very showy bedding or border plants, with richly colored, funnel-shaped flowers, which are purple, scarlet crimson, yellow, buff, blue and almost black. Height 21/2 feet.

SUPERBISSIMA MIXED-Containing many lovely color combinations. Pkt. 10c.

SALVIA

NEW DWARF SCARLET SAGE-The most bril-NLW DWART SCARLET SAGE—The most brilliant colored flowers and extremely useful for bedding. Blooms are of fiery red crimson color, continuing to flower for a long time. Tender perennials. Plant in early spring. Pkt. 25c, 5 pkts. \$1.00.

SCABIOSA

(Mourning Bride or Pincushion Flower) Annual resembling a round pincushion. The flowers arow on long wiry stems, 2½ ft. high. They bloom profusely and are a lovely addition to the garden or in bouquets.

AZURE FAIRY—Blue.

CRIMSON. ROSE-PINK.

Each color: Pkt. 10c, 1/4 oz. 35c.

GRANDIFLORA MIXED-All colors mixed. Pkt. 10c, 1/4 oz. 30c.



Salpiglossis Superbissima Mixed

SCHIZANTHUS

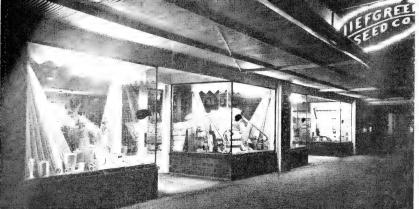
Unique irregular shaped notched blotched flowers resembling the orchid. Colors are many and varied. Plant in the open during the fall months. Height about 1 ft. Annual. Pkt. 10c.



Phlox Drummondi



Zinnia Haageana (See page .7)



PLANT Liefgreen's Tried and Tested



Seeds



This partial view of our store shows the extensive bins and packet displays of vegetable and flower seeds. We accommodate more than 1800 customers a day here. The displays are changed with the seasons and demand. In the spring vacant space is given to plant displays.

The seed trade throughout the Southwest knows A. W. (Bert) Liefgreen, who owns and operates the corporation bearing his name.

Mr. Liefgreen has had long experience in the growing and selling of flower, vegetable and field seed, bulbs and plants. He has gained valuable experience in the Salt River Valley where twenty-seven years of residence and close cooperation with growers using irrigation has given him a broad understanding of growing problems. He is keenly interested in problems confronting his customers, so please feel free to question him when necessary.

It has always been the policy of the Liefgreen Seed Company to sell **results**—not just seeds. Hence our slogan Quality Always bears special significance today.



Left—Our new air cooled seed storage house is about one quarter filled as new crop seeds are just arriving. As we go to press this room will be filled to capacity for distribution to Victory Gardens and large scale planters of vegetables.

Right — Daily filled packets of fresh seeds are stored in bins. Contrary to general belief, Lief-green's Seeds in packets are fresh. You are welcome to inspect our plant anytime to substantiate these facts.



Free Parking at



Drive in, make yourself at home no confusion, no tickets, no bother,



Gay Colorful Poppies - Sweet Scented Stocks





California Poppies

flowers. Height about 1 foot. Pkt. 10c, oz. 45c.

Makes a beautiful display. Pkt. 10c, oz. 45c.

POPPIES

Probably no flower enjoys a greater popularity than the Poppy. They may be had in many varieties, heights, and brilliant or delicate colors. Seed should be sown in the open auring the fall months in a location where the plants are to flower, as they do not transplant easily. Annual.

GLAUCIUM (TULIP FLOWERED)—Flowers vivid scarlet on tall strong stems. Pkt. 10c, 1/4 oz. 25c, 1/2 oz. 40c. oz. 75c.

SHIRLEY POPPY, SINGLE MIXED—Improved large flowering strain of many delicate shades. Pkt. 10c, ½ oz. 25c, oz. 40c.

SHIRLEY POPPY, DOUBLE MIXED — Beautiful begonia-like flowers. All colors. Height about 18 inches. Pkt. 10c, 1/4 oz. 25c, 1/2 oz. 40c, oz. 75c.

SHIRLEY POPPY, WHITE—Pure white, sheer and very lovely. Pkt. 10c, 1/2 oz. 40c, oz. 75c.



Iceland Poppies

Iceland Poppy

SANDFORD'S GIANTS—Undoubtedly one of the best Iceland Poppies. The flowers are immense and borne on long, stiff stems making them excellent for cutting. A beautiful range of colors. Pkt. 20c, 1/8 oz. 60c, 1/4 oz. 51.00.

LIEFGREEN'S DOUBLE STOCKS

Fragrant Starry Flowers for Winter and Spring Gardens

California Poppies

IMPROVED ORANGE—Very deep golden orange; large cup-shaped

BRILLIANT MIXED—A mixture of orange, yellow, pink and white

Sow seeds from September to February.

GIANT DOUBLE IMPERIAL—This wonderful new strain of Stocks is branching in habit, very double florets in great profusion on long, strong stems. Sow seed in the fall in the open ground. Thin to 12 inches and remember the most delicate plants are usually the ones that produce the best double flowers. Annual. Height 18 in, to 2 ft.

BLOOD RED CHAMOIS (Ivory) LAVENDER ROSE PINK GOLDEN ROSE

YELLOW

DARK BLUE

WHITE

Each color: Pkt. 15c, 1/8 oz. 75c, 1/4 oz. \$1.25.

GIANT IMPERIAL MIXED-All colors mixed. Pkt. 10c, 1/8 oz. 60c, 1/4 oz. \$1.00.

LIEFGREEN'S PEAT MOSS



Peat moss is a valuable soil improver for all gardens. It consists chiefly of decomposed vegetable or organic matter and increases the humus content of the soil. It is spongy in nature and absorbs ten times its weight

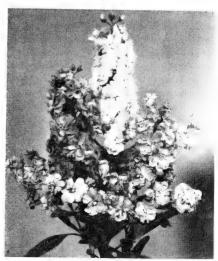
in water which it releases to the plants during periods of drought. Use Peat Moss liberally on flower and vegetable gardens and as a top dressing for lawns. Mulch roses, fruit trees and other shrubs to conserve moisture in the soil. A bale of Peat Moss when loosened will cover 700 square feet of soil.

Bale \$4.50, f.o.b. Phoenix.

Poppies cannot be safely transplanted and should therefore be sown where they are to grow, and thinned to 8 or 10 inches apart. They are lovely, lively plants to sow over bulb beds or in spaces in the border left blank by other flowers that have finished blooming.

Arizona Rainbow Poppy

RAINBOW GROUP—A mixture of many varieties and brilliant shades including the desert types. Pkt. 10c, oz. 50c.



Liefgreen's Double Giant Imperial Stocks



Dried Everlastings for Flower Arrangements



Sunflower, Sungold

STRAWFLOWERS (Everlasting)

Straw Flowers (Everlasting Flowers) are hardy annuals, bearing beautiful straw-like flowers in various form and many colors. They may be used for fresh cut flowers, or to preserve, cut the first day they open and hang with heads down until dry. We offer the most popular varieties:

GOMPHRENA or GLOBE AMARANTH—Sometimes known as Bachelor Button. Very attractive globe-shaped flowers resembling a clover blossom. Plant during the early spring months for summer and fall blooms. Height, 2 feet. Mixed colors. Pkt. 10c.

HELICHRYSUM—Flowers hang like little bells on stems $2V_2$ feet high. Plant during the fall and winter months. **Mixed colors. Pkt. 10c.**

STATICE SINUATA—Plants grow to a height of $1\frac{1}{2}$ to 2 ft. and throw large sprays of tiny flowers. Most popular for the garden and as cut flowers, both fresh and dried. Plant during the fall months. We have this in individual colors:

Blue Yellow Rose Lavender White
Each: Pkt. 10c, oz. 40c.
Mixed colors: Pkt. 10c, oz. 35c.

STATICE CASPIA—Smaller flowers than Sinuata, same habit. LAVENDER only. Plant during the fall months. Pkt. 15c.

XERANTHEMUM—Attractive flowers resembling a small double sunflower. Height 2 to 3 feet. Colors bright rose, purple and white. Very free flowering. Plant during the fall and winter months. Pkt. 10c.

MIXED STRAW FLOWERS—A mixture made up of the various varieties. Pkt. 10c.



Tithonia, Fireball

SUNFLOWER

(HELIANTHUS)

SUNGOLD—Massive bright golden yellow very double flowers on 3 to 4 foot stems. Good foliage, strong stems for cutting. Very striking and showy. See color illustration page 25. Pkt. 10c, ½ oz. 35c, oz. 60c.

DWARF RED SUNFLOWER—The plant is of a freely-branching habit with well-shaped dark-centered flowers of bright chestnut red, merging to a yellow at the tips of the petals. Height 6 feet. Pkt. 10c., oz. 30c.



ORNAMENTAL GOURDS

Easily grown in any good garden soil. Plant in the spring after danger from frost. Ornamental on the vine and when well dried and covered with shellac or painted in bright colors, gourds lend them selves to many useful and ornamental purposes. Gourds should remain on the vines until they drop easily, then allowed to cure for a couple of months before decorating.

SMALL VARIETIES MIXED—Many and varied shapes and colors. LARGE VARIETIES MIXED—All popular large varieties.

LARGE AND SMALL VARIETIES MIXED—As above.

Each: Pkt. 10c, ½ oz. 30c, oz. 50c.

SWEET WILLIAM

(Dianthus Barbatus) Vigorous free-flowering perennial. Individual florets grow in flat clusters on long stems. Plant large and compact. Colors are crimson, scarlet, pink and white with variations. Plant during the fall months. Height 1 to 1½ ft.

DOUBLE MIXED-Pkt. 10c. SINGLE MIXED-Pkt. 10c.

TITHONIA SPECIOSA

(MEXICAN SUNFLOWER)

BRIGHT ORANGE—Immensely tall plants with large bright flowers resembling a large double sunflower. Center yellow crested. Plant during the spring months for late summer and fall blooming. Best planted along a fence or building as they grow 6 to 8 feet tall. Pkt. 10c, 14 oz. 50c.

FIREBALL (Speciosa Grandiflora)—This new Tithonia is the same in growth and habit as the Bright Orange except the color is a fiery orange red and blooms somewhat later than the orange. See color illustration page 24. **Pkt. 25c, 5 pkts. \$1.00.**



Statice, Sinuata

Verbenas for a Show of Color









Virginia Stocks

Verbena, Giant Hybrids

Venidium Fastuosum

VENIDIUM

Flowers grow to 4 or 5 inches in diameter on tall stems standing well above the gray-green foliage. Daisy-like with overlapping petals. Center blue-black with a lighter shade ray. Plant in full sun during the fall and winter months. Height 2 leat.

VENIDIUM FASTUOSUM—Orange yellow. Very large and bright. Pkt. 20c, 1/8 oz. \$1.00.

VENIDIUM HYBRIDS—Mixed shades of apricot, white, salmon, yellow and orange. Pkt. 25c, 1/8 oz. \$1.00.

VINCA ROSEA

(Periwinkle) Ornamental bush-like plants with dark glossy foliage and handsome free-flowering blossoms in pink and white, like the floret of a very large single phlox. Plant seed in the early spring. Perennial. 16 to 18 inches tall. See color illustration page 24.

MIXED COLORS-Pkt. 15c, 1/4 oz. 50c.

VIRGINIAN STOCKS

Very attractive hardy annual, producing innumerable bright colored tiny flowers an thin stems and largely grown for beds and borders. Height 6 to 12 inches. Colors: Crimson, Lavender, Rose, Yellow, and

MIXED ONLY-Pkt. 10c, 1/2 oz. 50c.

ARIZONA WILD FLOWER MIXTURE

A fine mixture of many species. They may be planted from early fall to early spring, a longer blooming period resulting from the fall planting. Annuals. Pkt. 10c, oz. \$1.00, 1/4 lb. \$3.00.



Sweet William

LIEFGREEN'S BEAUTIFUL VERBENAS Hybrida Giants

Verbenas grow low on the ground but have a spread of from 12 to 18 inches. The lovely individual florets grow in large clusters and the flowers may be used for cutting, or for very colorful beds and borders. Plant in the open during the fall, winter and spring months as they bloom practically all year round in Arzona. Allow plenty of space between plants. Plant seed shallow in a finely made rich soil and keep moist but not wet until plants are up.

Giant Scarlet-Very large bright red.

Giant Beauty of Oxford Hybrid—Brilliant rose shades.

Giant Salmon Pink-Huge pink clusters.

Giant Violacea Stellata—Deep purple with white eye.

Giant Pure White—A giant pure white combining well with all colors.

HYBRIDA GIANTS MIXED—Contains all of the above colors and many others and blended for the proper color values. You will find the giant strains far superior to the old small flowered varieties.

All of the above: Pkt. 15c, $\frac{1}{8}$ oz. 60c, $\frac{1}{4}$ oz. \$1.00.

VIOLA

Violas are very much like pansies, though the individual blooms are smaller. They are excellent for bedding, massing or borders as they bloom in great profusion over a long period. Thrive best in a light, rich soil in a semi-shady location. Plant during the fall months. Height 6 inches.

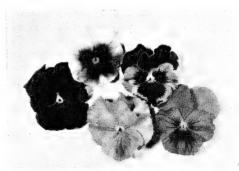
MIXED COLORS-Pkt. 15c.

WALLFLOWER

The velvety single flowers grow in loose clusters on long stems covered with long narrow leaves. The colors are in rich mellow tones of bronze, copper and golden buff. Plants are vigorous and grow to a height of 1 to 11/2 ft. Plant during the fall months. Thin to 1 ft.

GOLDEN GEM-Bright golden yellow. Pkt. 10c.

MIXED COLORS-Pkt. 10c.



Mixed Violas

Liefgreen's Flower Planting Chart for Arizona Gardens FOR SALT RIVER VALLEY AND SIMILAR CLIMATES

Botanical and Common Name Ageratum, Floss Flower Althea, Hollyhock Arssum, Sweep Syssum Anagalis, Pimpernel Anemone, Windflower Anemone, Windflower Antignon, Queen's Wreath Antirrhinum, SNAPDRAGON Aquilegia, COLUMBINE Arctotis, Blue-eyed African Daisy Aster Asparagus, Aasparagus Fern Bellis, English Daisy Browallia Cactus Calendula, Pot Marigold. Calliopsis Campanula, Canterbury Bells. Canna Cardiospermum, Balloon Vine Celosia, COCKSCOMB, Woolflower Centaurea, Bachelor Button, Cornflower Sweet Sultan Cheiranthus, WALLFLOWER Chrysanthemum, PAINTED DAISY Shasta Daisy Clarkia Cobaea, Cup and Saucer Vine. Coleus Coreopsis Cosmos Coreopsis Cosmos Sweet William Didiscus, Blue Lace Flower Didiscus, Blue Lace Flower Diichos, Australiam Pea Vine and Hyacinth Bean Didiscus, Blue Lace Flower Diichos, Australiam Pea Vine and Hyacinth Bean Eschscholtzia, CALIFORNIA POPPY Diichos, Australiam Pea Vine and Hyacinth Bean Eschscholtzia, CALIFORNIA POPPY Cuphorbia, Snow on the Mountain and Poinsettia. Gaillardia, Blanket Flower Gerbera, Transvaal Daisy Geum, Avens Glaucium, Horned Poppy Godetia Gomphrena, GLOBE AMARANTH Gypsophila, BABY'S BREATH Helianthus, Sunflower Helichrysum, Strawflower Helichrysum, Strawflower Helichrysum, Strawflower Helichrysum, Morning Bush, Summer Cypress Lugenaria, ORNAMENTAL GOURDS Luntana, Luntana Luthyrus, Sweet WEET PEA Lugenia, ORNAMENTAL GOURDS Luntana, Luntana Luthyrus, Supering Tobacco Nierembergia, Ende Supering Tobacco Nierembergia, Ende Supering Heliotropium, Helitotrope Hunnemannia, Tulip Poppy Iberis, CANDYTUFT Impatiens, BALSAM, Lady Slipper Ipomoea, MORNING GLORY, Cypress Vine Kochia, Burning Bush, Summer Cypress Lugenaria, ORNAMENTAL GOURDS Luntana, Luntana Luthyrus, Strawflower Helichrysum, Strawflower Helichrysum, Strawflower Helichrysum, Strawflower Helichropium, Helitotrope Hunnemannia, Tulip Poppy Bers, CADORTHE REANIUMS Petrula, Potropium, GERANIUMS Petrula, Devening Seented S	Height	Planting Time	Remarks
Ageratum, Floss Flower	4-12 inches	. September-February	A
Althea, Hollyhock	6-7 feet	September-April	A, P.
Amgranthus, Love Lies Bleeding	2-3 feet	. August-March	A. Cun
Anagallis, Pimpernel	1 foot	September-February	A, Sun.
Antigonon, Queen's Wreath	1 foot	September-February	Bulb, Sun.
Antirrhinum, SNAPDRAGON	1-3 feet	. September-February	A, Sun, thin to 10 inches.
Aquilegia, COLUMBINE	2-3 feet	. September-February	P, semi-shade.
Aster	2 feet	. September-January February	HHA, sun, winter flowering. A best in cold sections
Asparagus, Aasparagus Fern		February-June	P, Vine for foliage.
Bellis, English Daisy	4-5 inches	September-January	A (P) spring flowering.
Cactus	To menes	. February-August	P curious group
Calendula, Pot Marigold	12-18 inches	. September-February	A, thin to 12 inches.
Campanula Canterbury Bells	2-3 feet	September-May	. A, sun.
Canna	3-4 feet	. November-March	P. Bulb.
Caloria COCKSCOMB Woodflower	0.2 feet	February-July	A, Vine.
Centaurea, Bachelor Button, Cornflower	12-14 inches	. September-February	A, thin to IU in.; sun. A sun Incl best blue
Sweet Sultan	21/2 feet	. September-February	A, sun.
Chrysonthemum PAINTED DAISY	1-1½ teet	. September-March	. A, thin to 1 ft.
Shasta Daisy	2 feet	February-October	P. sun. Good cut flower.
Clarkia	18-24 inches	. September-February	A, sun or part shade.
Coleus	1-2 feet	Farly Spring	P, beautiful flowers.
Coreopsis	2-3 feet	. September-February	P, full sun.
Cosmos LARVEDID	4-8 feet	. February-August	A, full sun, keep bushy.
Delphinium, Perennial	z-3 feet	September-January	A, full sun. Winter flowering.
Dianthus, PINKS	10-12 inches	September-March	HA, sun; thin to 8 in.
CARNATONS	12-18 inches	September-February	A, P, set 12 in., part shade.
Didiscus, Blue Lace Flower.	18 inches	. september-january	A, bien. Sun.
Digitalis, Foxglove	3-4 feet	. September-January	A, bien., part shade.
Dolichos, Australian Pea Vine and Hygginth Bean	12-18 inches	August-March	A, sun.
Eschscholtzia, CALIFORNIA POPPY	1 foot	September-March	A. Sow where to grow.
Euphorbia, Snow on the Mountain and Poinsettia	2-3 feet	. February-March	A, sun.
Gerberg, Transvaal Daisy	1½-Z feet	September April	A; P. Full sun. Showy.
Geum, Avens	2 feet	September-April	P. sun or partial shade.
Glaucium, Horned Poppy	2-3 feet	. September-March	P, full sun, sow in open.
Gomphreng, GLOBE AMARANTH	2 feet	September-January	A, semi-shade to sun.
Gypsophila, BABY'S BREATH	18-24 inches	September-February	A, sun.
Helianthus, Sunflower	4-6 feet	. March-July	A, sun. Showy summer flowers.
Heliotropium, Helitotrope	1-2 feet	Early Spring	HA, sun. Everlasting.
Hunnemannia, Tulip Poppy	2 feet	September-October	P, sow where to grow.
Impatiens BALSAM Lady Slipper	1½ feet	September-February	A, sun, showy flowers.
Ipomoea, MORNING GLORY, Cypress Vine	z reet	February-March	I'A, semi-shade. A Vine sow after frost
Kochia, Burning Bush, Summer Cypress	1-2 feet	February-June	A, sun, colors up in summer.
Lantana, Lantana	2-3 feet	March-July	A, vines. Showy fruits.
Lathyrus, SWEET PEA		September-February	A, see special culture.
Linaria, Baby Snapdragon	2 feet	September-February	A, sun.
Lobelia, Lobelia	4-6 inches	September-March	A, P, sun.
Lupinus, Lupin	2-3 feet	September-January	A, thin to 12 inches.
Mathiola, Evening Scented Stock	6-8 inches	August-February	A, Bulb cover, showy.
Giant Imperial STOCK	18-24 inches	September-February	A, sun. A, thin to 12 inches.
Mesembryanthemum, Ice Plant	8 inches 2 feet	Fall, Early Spring.	A, P, full sun, poor soil.
Momordica, Balsam Apple.	4 1001	February-July	P. sun.
Myosotis, Forget-Me-Not	1 foot	Early Spring	A, cool damp location.
Nemophila, Baby Blue Eyes	1 Ioot	Early Spring	A, showy dwarf annual.
Nicotiana, Flowering Tobacco.	3-4 feet	September-July	A, excellent bulb cover. A, sun, fragrant.
Nierembergia, Blue Cup Flower	6 inches	September-February	P, sun.
Papaver, POPPIES	15-24 inches	September-Ignuary	HA, sun.
Pelargonium, GERANIUMS	1-2 feet	September-April	P, sun or part shade.
Phlox	3-3U inches	September-April	A, P. Thin to 8-12 in., sun.
Portulaca, Moss Rose	6 inches	March-August	A, sun, showy. A, full sun, hot dry places
Pyrethrum	2 feet	September-January	P, full sun.
Ranunculus	o reet	September-February	A, sun.
Reseda, MIGNONETTE	6-12 inches	September-February	A, shade or sun.
Rhodanthe, Swan River Everlasting. Ricinus, CASTOR BEANS. Salniglassis Painted Tongue	2½ feet	September-January	A, full sun. Everlasting.
Ricinus, CASTOR BEANS. Salpiglossis, Painted Tongue Salvia, Scarlet Sage Scabiosa, Pincushion Flower Schizanthus, Butterfly Flower. Statice, Sea Lavender Tagetes, MARIGOLD, French, African Tithonic, Mexican Sunflower Tropaeolum, NASTURTIUM Venidium, Mongrch of the Veldt.	2½ feet	September-March	A, sun.
Salvia, Scarlet Sage	1-2 feet	September-February	TP, sun, bedding.
Schizanthus, Butterfly Flower	21/2 feet	September-February	A, sun.
Statice, Sea Lavender	1½-2 feet	September-February	A, sun. HA, sun: everlasting
Tagetes, MARIGOLD, French, African	12-30 inches	March-August	A, sun, light soil: thin to 10-12 in
Tropaeolum, NASTURTIUM	b-8 feet	March Farly Sort	P, full sun.
Iropaeoum, NASTURTIUM Venidium, Monarch of the Veldt. Verbena, VERBENA Vinca, Periwinkle Viola, PANSY, VIOLA Xeranthemum, Everlasting Zinnia, ZINNIA	2 feet	September-March	A, dry poor soil; sun.
Verbeng, VERBENA	1 foot	September-June	A, sun, blooms continuously.
Viola, PANSY, VIOLA	6 inches	September-March	P, sun.
Xeranthemum, Everlastina	2-3 feet	September-Ignuary	HA, everlasting, sun.
P Pitters			
		March-August urdy annual; HHA, half hardy ar	



Vines Are Essential to the Home Beautiful

Vines Specially Selected for Their Adaptability to Arizona Climate

Plant all vine seed and bulbous roots in the spring after all danger of frost, and continue to plant during the summer months. Provides restful shade and quick and attractive covering for fence, trellis, and bare walls. Vines planted for a profusion of blooms should be fertilized only lightly; for luxuriant foliage soil may be quite rich.

MORNING GLORIES

SCARLETT O'HARA—Beautiful rich dark wine color. Early blooms. Pkt. 20c. 1/a oz. 50c.

CLARK'S HEAVENLY BLUE—Sky blue with golden throat. Early. Pkt. 15c, $1/\!\!4$ oz. 40c.

FINEST TALL, MIXED—Shades of rose, blue and white. Pkt. 10c, oz. 25c.

IMPERIAL JAPANESE—Variety of colors beautifully shaded. Pkt. 10c,
oz. 35c.

MADEIRA VINES

One of the best and most popular climbers for foliage effect. Increases very rapidly. Large tubers, 15c each, \$1.25 dozen; medium size, 10c each, \$1.00 dozen.

Available only during the spring and early summer months.

QUICK GROWING CLIMBERS AND SHADE VINES

Alamo, Mile a Minute

Annual. Grown for foliage only.

Pkt. 10c, ½ oz. 30c, oz. 50c.

Moon Flower

Annual. Large sweet scented. Bloom after sunset. WHITE or BLUE—Pkt. 10c, oz. 60c.

FOR BEAUTIFUL BLOOMS AND FOLIAGE ANTIGONON LEPTOPUS (Queen's Wreath)

Perennial. Grows from seed or bulbous roots. It is cut back by frost but renews its growth more luxuriantly each year. Bears lovely rosepink wreath-like blossoms during the late summer and fall months.

SEED-Pkt. 10c.

BULBOUS ROOTS-(Spring months only.) Large size, 50c each, postpaid.

Other Vines Popular and Decorative

(All annual unless listed perennial.)

AUSTRALIAN PEA VINE—Small rose purple blossoms. Pkt. 15c.

BALLOON VINE-Bears a pretty inflated white and green capsule.

BALSAM APPLE—Yellow flowers, ornamental warted yellow fruit.

CYPRESS VINE—Star-shaped scarlet and white flowers. Fine foliage. Pkt. 35c.

CARDINAL CLIMBER—Bright red flowers. Attractive foliage. Pkt. 25c.

COBOEA SCANDENS (CUP AND SAUCER VINE)—Perennial. Flowers large, bell-shaped, deer purple in color.

HYACINTH BEAN (DOLICHOS)—Purple and white flowers followed by ornamental seed pods. Very popular. Fast growth.

JAPANESE HOP (HUMULUS)—Luxuriant foliage for dense rapid growth.

KUDZU VINE—Perennial. Quick growing. Large attractive leaves.

PASSION FLOWER—Nice foliage growth but few flowers in Arizona.

ASPARAGUS PLUMOSUS—Perennial. Fine feathery foliage, used extensively for green in cut flowers. Soak seed before planting.

WILD CUCUMBER—Small white fragrant flowers followed by ornamental seed pads.

All of the above: 10c per pkt. unless noted otherwise.



SCARLETT O'HARA MORNING GLORY Pkt. 20c

6

VINES ARE ESSENTIAL TO THE HOME GARDEN

Morning Glories never cease to be charming, either twining over α fence or on some other support. They display their lovely blooms out in the sun against a background of pleasing green foliage.

a

OUR 1944 FALL CATALOG, listing Fall Bulbs, Flower, Vegetable and Grass Seeds, will be issued for September distribution.

WRITE FOR YOUR COPY



Bulbs for Quick Showy Summer Blooms



ANEMONE BULBS

These lovely flowers are deservedly popular. With an exceedingly wide range of color and color combinations, and an adaptability for both forcing and outdoor planting, the Anemone is a most useful and satisfactory flower. The plants thrive best in a rather rich, sandy loam, but will do well in most any well-drained soil.

SEND A FEW TO YOUR EASTERN FRIENDS

Monarch De Caen

A magnificent robust growing strain of Poppy Anemone with immense saucer shaped flowers of the most brilliant and varied colors from pink to beautiful shades of blue and brilliant scarlet, borne on long strong stems. Bulbs are small but produce a flower of amazing size.

MONARCH DE CAEN

Mixed Colors

<code>JUMBO SIZE</code>—3/4 to 7/8 inch—75c per dozen; \$4.50 per 100. No. 1 SIZE—5/8 to 3/4 inch—60c per dozen; \$3.50 per 100. No. 2 SIZE—1/2 to 5/8 inch—35c per dozen; \$2.25 per 100.

ANEMONE—ST. BRIGID "CREIGH CASTLE" Mixed Colors

Large semi-double flowers of the most brilliant hues and delicate shades and colors, including a good proportion of rose, pinks, lavenders and blues.

JUMBO SIZE—% to % inch—85c per dozen; \$6.00 per 100. No. 1 SIZE—% to % inch—65c per dozen; \$4.50 per 100.

All bulbs sent postpaid.



Top Size



No. 1 Size N



No. 2 Size 1/2 to 5/8 inch



RANUNCULUS BULBS

GIANT TECOLOTE

Send α Few Ranunculus and Anemone Bulbs to α Friend

We prepay charges to any destination in the United States.

The Ranunculus and Anemone are not well known in the Eastern States. A gift of bulbs would be greatly appreciated by your Eastern flower-loving friends. Advise them to plant in a sunny location to hasten the flowering period. Red, orange, pink, gold and white shades.

In the Salt River Valley and similar climates, Ranunculus and Anemone Bulbs are planted during the months of September, October, November, December and January.

No. 1 SIZE—5% to $3\!/_{\! 4}$ inch. Mixed colors.

60c per dozen; \$4.00 per 100.

No. 2 SIZE—1/2 to 5/8 inch. Mixed colors.

35c per dozen; \$2.50 per 100.

Sold out—Top and Jumbo Size Ranunculus.





Jumbo Size 3/4 to 7/8 inch

Ranunculus bulb (left) and Anemone (above). Actual size shown in the position they are to be planted. Cover with 2 inches of light sandy soil.

When to Plant Vegetable Seeds



			dDie Decus	ASON COMM 4. Filmenting 4		
Vegetable	To 1000 ft. Elevation	1000-3000 ft. Elevation	3000-4500 ft. Elevation	4500-6000 ft. Elevation *		
isparagus	Oct. 1-Feb. 1	Oct. 1-Feb. 1	FebMarch	April 1-15		
Beans, BushPole	Feb. 1-July 15-30 Aug. 10-30; Feb. 15-April 1	Feb.; July 1-15 Feb.; July 1-15	April 15-July 30 April 15-June 1	May 1-10 May 1-10		
eet	Aug. 1-May 1	SeptMay	April 15-June 15; Aug. 1-30	April 1-30		
roccoli	July-Jan.	Sept. 1-Jan. 1	Seed: Feb. 15-28 Field: March 1-June 1			
abbage	Seeds: July-Jan. Plants: Oct. 1-Feb. 1	Seed: July-Jan. Plants: SeptFeb.	Seed: Feb. 15-April 15 Field: Feb. 15-May 1; July 20-25	Seed: March 15 Field: May 1 Seed in field: April 15-3		
Carrots	Aug. 1-April 1	AugApril l	April 1-Sept. 1	AugFeb.		
Cauliflower	Seed: July-Jan. Plants: OctFeb.	Seed: July-Dec. Field: SeptFeb.	Seed: Feb. 15-April 15 Field: Feb. 15-May 1; July 20-25	Seed: March 15 Field: May 1 Seed in field: April 15-3		
Celery	Seed: May-July 15 Plants: AugOct. 15	Seed: July 1-31 Plants: Sept. 1-Nov. 1	Seed: Feb. 1-March l Plants: June 15-Aug. l			
Chard	AugMarch	Aug. 15-Dec. 1	Feb. 15-April 1	April 1-May 15		
Corn, Sweet	Feb. to Aug.	April 1-Aug. 1 (May 20-June 10 best)	April 1-July 20	May 1-15		
Cucumber	Mar. 1-31 and Aug.	April 1-June 15	April 15-June 15	May 1-10		
Eggplant	Seed: JanFeb. Plants: Mar. 1-May 1	Seed: March l Field: April 1-June l	Seed: March 1 Field: May 1-June 15	Seed: April 1-15 Field: May 1-15		
Indive	Sept. 1-Dec. 1	Sept. 1-Jan. 1	Oct. 25-Jan. 1 Aug. 15-25	April 1-30		
Garlic	SeptDec.	SeptDec.	May 1-June 15	April 1		
[ale	Sept. 1-Jan. 1	Aug. 15-Dec. 1	Feb. 15-April 15	Seed: March 15 Field: May 1		
Kohlrabi	Sept. 1-Jan. 1	Aug. 15-Dec. 1	Feb. 15-April 15	Seed in field: April 15- Seed: March 15 Field: May 1 Seed in field: April 15-		
.eek	Sept. 1-Jan. 1	Sept. 1-Feb. 1	May 1-June 15	April 1-May 1		
Lettuce	Sept. 1-Feb. 1	Sept. 1-Feb. 1	Oct. 25-Feb. 15 June 1-July 10	April 1-30		
Muskmelon	March 1-April 10	March 1-June 1	May 1-June 15	May 1-15		
Mustard	SeptFeb.	SeptMarch	Feb. 15-April 15	April		
Okra	March-June	April 1-June 1	May 1-June 15	May and June		
Onion	Seed: AugNov. Plants: NovJan.	Seed: SeptFeb. Field: DecJan.	Feb. 15-March 1 Oct. 30-31	Sets: April 1-15		
Parsley	. August-March	Sept. 1-30	May 1-June 15	April 1-15		
Parsnip	. OctDec.	Sept. 1-Jan. 1	April 1-June 1	April 1-15		
Peas	Sept. 1-March 1	Sept. 1-March 1	Jan. 15-April 15 July 25-Aug. 10	April 1-30		
Pepper	Seed: SeptMarch Plants: FebApril	Seed: March 1 Field: April 1-30	Seed: March 1-28 Field: May 1-June 15	Seed: April 1-15 Field: May 1		
Potato, Irish	Jan. 15—March 15 Aug. 15-Sept. 1	Feb. 15-April I	April 1-30 July 10-25	May		
Potato, Sweet	Seedbed: FebMarch Field: March-June	Seedbed: Mar. 1-May 15 Field: April 1-July 1	Seedbed: March 15 Field: May 10-25	Seedbed: April 1-15 Field: May 15-20		
Pumpkin	. March-July	April 1-July 1	April 15-July 1	May 1-10		
Radish	SeptMay	Sept. 15-April 1	March 15-June 15 Aug. 1-Sept. 1	April 1-May 15		
Rutabaga	. SeptApril	Sept. 15-March 1	March 1	April 1-May 1		
Salsify	1 .	Oct. 1-Dec. 1	March 15-June 15 Aug. 1-31	April 1-May 15		
Spinach	Sept. 1-Feb. 1	Sept. 15-March 1	Feb. 15-May 1 Aug. 1-15	April 1-May 15		
Squash	Feb. 15-April 10 Aug. 1-Sept. 1	March 1-July 1	April 15-July 1	May 1-15		
Tomato		Seed: Feb. 15 Field: April 1-July 1	Seed in field: April 1-Tune 1 Plants: May 1-June 15	Seed: May 15-30 Field: June 1-15		
Turnip	. SeptApril	Sept. 1-March 1	March 1; Aug. 15-Sept. 1	April 1-30		
Watermelon	FebApril 1	March 1-June 1	April 15-June 1	May 1-15		

*For safe planting dates for elevations between 6000 and 7500 feet add two weeks to dates in this column.



For Best Results Use Liefgreen's Seeds

LIEFGREEN'S REVISED PLANTING CHART

	Seeds or	Seeds or F	lants per Acre	Distar	nces for Plants	to Stand	Depth of	
VEGETABLE	Plants to 100 Feet of	Seed	Plants		Rows for	Plants Apart	Planting in Inches	Ready for Use (Time of Maturity) Approximate
	Row	Drilled	Set	Horse	Hand	in the Row	(For Field)	,
Asparagus Seed	1 oz.	6 lb.		3-4 ft.	1-2 ft.	2 in.	1 in.	2-3 years
Asparagus Roots	50 plants		3,700	6 ft.	3 ft.	2 ft.	10-12 in.	1 vear
Beans, Bush	1 lb.	100 lb.		$2\frac{1}{2}$ -3 ft.	1½-2 ft.	3 in.	1-2 in.	50-70 days
Beans, Pole	½ lb.	50 lb.		3-3½ ft.	1½-2 ft.	6 in.	1-2 in.	60-90 days
Beets	2 oz.	8-10 lb.		2-3 ft.	1½-2 ft.	Drill	½-1 in.	60-100 days
Broccoli	1/4 oz.	2 lb.		3-3½ ft.	$2\frac{1}{2}$ -3 ft.	18-24 in.	1/2 in. 1/2 in. 1/2 in.	100-125 days
Cabbage, Summer	1/4 oz.	4 lb.	17,000	$2\frac{1}{2} - 3\frac{7}{2}$ ft.	2-3 ft.	12-16 in.	1/2 in.	90-120 days
Cabbage, Fall	1/4 oz.	2 lb.	17,000	2½-3½ ft.	2-3 ft.	12-16 in.	½ in.	90-120 days
Carrot	1 oz.	3-5 lb.		2-3 ft.	1½-2 ft.	Drill	½ in.	70-100 days
Cauliflower	1/4 oz.	2 lb.	10,000-13,200	$2\frac{1}{2}$ - $3\frac{1}{2}$ ft.	1½-2 ft.	14-18 in.	½ in.	120-150 days
Celery	1/4 oz.		29,000	3 ft.	1½-3 ft.	6 in.	1/4 in.	110-120 days
Collards	1/4 oz.	2 lb.		$2\frac{1}{2}$ -3\frac{1}{2} ft.	2-2½ ft.	14-18 in.	½ in.	100-120 days
Corn, Sweet	1/2 lb.	8-10 lb.		3-4 ft.	2½-3 ft.	12-18 in.	1-2 in.	70-100 days
Cucumber	$\frac{1}{2}$ oz.	3 lb.		4-6 ft.	4-6 ft.	3-5 ft.	1-2 in.	60-90 days
Eggplant	$\frac{1}{3}$ oz.	½ lb.	5,250-6,600	3-3½ ft.	2½-3 ft.	24-30 in.	½ in.	100-120 days
Endive	1/2 oz.	Ž lb.		$2\frac{1}{2}$ -3 ft.	1½-2 ft.	thin to 1 ft.	½ in.	80-90 days
Garlic (sets)	250 Cloves	300-400 lb.		$2\frac{1}{2}$ -3 ft.	1½-2 ft.	5 in.	1-2 in.	4-5 months
Kale	½ oz.	2 lb.		$2\frac{1}{2}$ -3 ft.	1½-2 ft.	thin to 18 in.	½-1 in.	50-70 days
Kohlrabi	1/2 oz.	2 lb.		$2\frac{1}{2}$ -3 ft.	1½-2 ft.	6-8 in.	½-1 in.	70-80 days
Leek	½ oz.	4 lb.		$2\frac{1}{2}$ -3 ft.	1½-2 ft.	4-6 in.	½ in.	90-120 days
Lettuce	½ oz.	2 lb.		2-2½ ft.	$1\frac{1}{2}$ -2 ft.	12-14 in.	1/4 in.	90-120 days
Muskmelon	1/2 oz.	2 lb.		4-7 ft.	4-7 ft.	3-6 ft.	1-2 in.	90-120 days
Watermelon	1 oz.	3 lb.		10-12 ft.	10-12 ft.	6-8 ft.	1-2 in.	80-120 days
Mustard	½ oz.	2 lb.		$2\frac{1}{2}$ -3 ft.	1-1½ ft.	thin to 4 in.	1/4-1/2 in.	60-90 days
New Zealand Spinach	1 oz.	8 lb.		3 ft.	2-3 ft.	12 in.	1-2 in.	70-90 days
OkraOnion Seed	2 oz.	10-12 lb.		3-4 ft.	$2\frac{1}{2}$ -3 ft.	10-18 in.	½ in.	50-75 days
For Dry Onions	1 oz.	3 lb.		2-3 ft.	1½-2 ft.	2 in.	1/4 in.	5-7 months
Onion, Sets	2 lb.	250 lb.		2-3 ft.	1½-2 ft.	4-6 in.	1-2 in.	50-90 days
Parsley	½ oz.	3 lb.		2-3 ft.	1½-2 ft.	thin to 3 in.	1/4-1/2 in.	80-120 days
Parsnip	1/2 oz.	3 lb.		2½-3 ft.	1½-2 ft.	2 in.	1/4 in.	100-120 days
Peas	Ī lb.	60-100 lb.		2½-3 ft.	1½-2 ft.	4-6 in.	1-2 in.	60-100 days
Pepper	1/8 oz.	1/4 lb.	10,000-13,200	2½-3 ft.	1½-2 ft.	14-18 in.	½ in.	90-120 days
Potatoes, Irish	10 lb.	600-800 lb.		2½-3 ft.	1½-2 ft.	14-20 in.	4-6 in.	100-120 days
Potatoes, Sweet	100 plants		14,000 plants	3 ft.	3 ft.	12 in.		100-120 days
Pumpkin	loz.	3 lb.	, p	6-10 ft.	6-10 ft.	6-10 ft.	1-2 in.	90-120 days
Radish	1 oz.	10-12 lb.		2½-3 ft.	1½-2 ft.	1 in.	½ in.	30-60 days
Rhubarb, Roots	20-50 plants			3-5 ft.	3-5 ft.	2-4 ft.	3-4 in.	2-3 years
Rutabaga	1 oz.	2 lb.		2½-3 ft.	1½-2 ft.	4-6 in.	½ in.	100-120 days
Salsify	1 oz.	8 lb.		2½-3 ft.	1½-2 ft.	Drill	½-1 in.	150 days
Spinach	1½ oz.	25-35 lb.		2½-3 ft.	1½-2 ft.	Drill	½ in.	40-75 days
Squash, Summer	1 oz.	3-4 lb.		3-4 ft.	3-4 ft.	3 ft.	1-2 in.	60-70 days
Tomato	½ oz.	4 oz.	3,000 average	3-6 ft.	3-4 ft.	3-6 ft.	½ in.	90-120 days
Turnip	1 oz.	2 lb.		2½-3 ft.	1½-2 ft.	Drill	1/4 in.	40-60 days

NUMBER OF PLANTS TO AN ACRE

SET AT REGULAR DISTANCE APART

Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre
8 x4 in. 4 x4 in. 6 x6 in. 1 x1 ft. 1½x1½ ft. 2 x1 ft. 2 x2 ft. 2½x3½ ft.	522,720 392,040 174,240 43,560 19,360 21,780 10,890 6,960	3 x1 ft. 3 x2 ft. 3 x3 ft. 3½x3½ ft. 4 x1 ft. 4 x2 ft. 4 x3 ft. 4 x4 ft.	14,520 7,260 4,840 3,555 10,890 5.445 3,630 2,722	4½x4½ ft. 5 x1 ft. 5 x2 ft. 5 x3 ft. 5 x4 ft. 5 x5 ft. 5½x5½ ft. 6 x6 ft.	2,150 18,712 4,356 2,904 2,178 1,742 1,440 1,200	6x 7 ft. 6x 8 ft. 6x 9 ft. 6x10 ft. 7x 7 ft. 8x 8 ft. 9x 9 ft. 10x10 ft.	1,031 907 806 726 888 680 537 435	11 x11 ft. 12 x12 ft. 14 x14 ft. 15 x15 ft. 16 x16 ft. 16 x16 ft. 17 x17 ft. 18 x18 ft.	360 302 222 193 170 160 150	19x19 ft. 20x20 ft. 25x25 ft. 30x30 ft. 33x83 ft. 40x40 ft. 50x50 ft. 60x60 ft.	120 108 69 48 40 27 17

RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill; which divided into the number of square feet (43,560), will give the number of plants to the acre.



FIELD AND GARDEN SUPPLIES

Citrus Picking Bags

No. 5—3/4 Box size, \$3.50, postpaid \$3.75. No. 5—Full Box size, \$3.75, postpaid \$4.00.

PRUNING COMPOUND—TREE HEAL—For covering fresh cuts or bruises on trees. Will aid nature in healing wounds without retarding the growth. Valuable for citrus trees. 1 pt. 30c, qt. 50c, gal. cam \$1.50, postage extra.

TREE TANGLEFOOT—Protection from climbing insects. 1 lb. can 80c, 5 lbs. \$3.75, 10 lbs. \$7.00, postage extra.

PERFORATED TREE PROTECTORS — For protecting trees from frost, insects, etc.

		Weight	Pri	ce
(*)		Per 1000	Per 100	
12 ir	1	. 43 lbs.	\$1.60	\$14.00
18 ir	1	. 65 lbs.	1.90	17.00
24 ir	1	. 85 lbs.	2.50	22.00

F.O.B. Phoenix, postage extra.

RAFFIA—Its principal use is for tying vines, flowers, asparagus, carrots and celery bunches and for grafting. Natural color is light straw. 1 lb. 60c, 5 lbs. \$2.50, postpaid. Ask for quantity price in bale lots.

GRAFTING WAX-1/4 lb. 30c, 1/2 lb. 40c, 1 lb. 60c, postpaid.

BUDDING CLOTH-\$1.25 yard, postpaid.

SPHAGNUM MOSS—For packing. Per bale, \$4.00, f.o.b. Phoenix.

GREEN MOSS — For lining hanging baskets. **Per lb. 50c, postpaid.** Write for bale prices.

DOGZOFF

Discourages dogs keeps them from places where they are not wanted. Price, 70c, postpaid.





Dead Sure Rodent Destroyer

This rodent destroyer is in the form of a paper cartridge. After setting the fuse alight, place the cartridge down the burrow and the pests are gassed. Package of 1 dozen, 75c, postpaid 85c doz.

Gator Roach Hives



We recommend this roach killer. It is not MESSY or WASTEFUL. Clean, convenient and effective for months. Guaranteed by Good Housekeeping as advertised therein. One pkg. of 3 hives, 40c; 3 pkgs. \$1.10, postpaid.

Poison Barley

For gophers, mice, etc. 1 lb. 35c, postpaid 45c; 5 lbs. \$1.25, postpaid \$1.40.



ANT POISONS

Liefgreen's Ant Poison

For large red ants in the yard or field. In powder form, very effective. 1 lb. 25c, postpaid 35c; 5 lbs. \$1.00, postpaid \$1.15; 10 lbs. \$1.75, postpaid \$1.95.

Cyanogas

Dust or granular form—for large red ants, etc. 1 lb. can, 75c; 5 lb. can, \$2.50; 25 lb. drum, \$6.00, postage extra.



PEAT MOSS is a valuable soil improver for all horticultural purposes. It consists chiefly of decompesed vegetable or organic matter and increases the humus content of

vegetable of organic matter and increases the soil. It absorbs ten times its weight in water, releasing it for the plants in periods of drought. Use Peat Moss liberally on flower and vegetable gardens and on lawns. Mulch roses, fruit trees, etc., to conserve moisture. A bale of Peat Moss when loosened will cover 700 square feet. Bale, \$4.50, f.o.b. Phoenix.

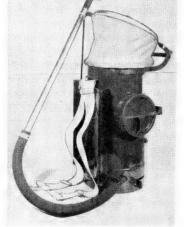
TOOLS AND IMPLEMENTS

for the

GARDEN - FIELD GROVE - YARD

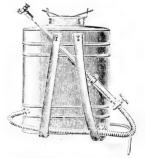
We have in stock at all times a wide range of best quality tools, implements and general sundries necessary for the successful upkeep of gardens, farms and pleasure grounds.

We shall be happy to quote you on any tool or implement you may need. Your correspondence is invited.



Champion Duster

The Champion Duster is unquestionably the ultimate in satisfactory performance. It is a real duster that will effectively apply all powders, dust, and sulphur, in the most scientific and economical manner. For real satisfaction use a Champion. Capacity, 22 pounds. Price \$24.00, f.o.b. Pheenix.



Champion Sprayer

An all-copper sprayer adapted for truck and home gardeners. It can be filled to capacity and discharged to the last drop, maintaining an even high pressure, without stopping. Capacity 4 gal. \$25.00, f.o.b. Phoenix.



RICH PLANT FOOD

In Convenient

TABLET FORM

Gives Amazing Results

Feed everything this modern, convenient way. Clean, odorless, absolutely reliable. Increase production, have more beautiful plants and flowers.

HOUSE PLANTS grow strong and healthy with green, bushy foliage while the blooming kind are covered with perfect blossoms. Ferns, Geraniums, Ivy, Cacti, African Violets, etc., thrive all year 'round.

GARDEN FLOWERS reward with finer blooms over a long period. Especially fine for Roses, Delphinium, Lilies, Dahlias, Chrysanthemums. Your garden will be a real joy.

VEGETABLES. Begin feeding when well up out of the ground. Continue regularly to maturity and you'll raise a crop you never dreamed of. Use on all vegetables—just push a tablet into the soil near plant—that's all.

FRUITS, VINES, SHRUBS of all kinds respond to feeding on Plantabbs with abundant yields and profusion of blooms.

We recommend Plantabbs because we know them to be good. Give them a trial.



PRICES

Box	of	12	Tablets	\$.10
Box	of	36	Tablets	.25
Box	of	90	Tablets	.50
Box	of	240	Tablets	1.00

2 Pound Can of Tablets \$2.75

For Economy Buy the Larger Sizes

3 SURE WAYS TO INCREASE CROPS

FROST CAN'T HARM

HOTKAPS-patented paper hothouses —give complete protection against FROST, STORMS, INSECTS. Ripen crops 3 weeks earlier; increase yield 18 to 51%. Maintain perfect mulch. Millions used by successful growers every season. Easy to set. Victory Garden Package. 25 HOTKAPS 50c. 100 for \$1,95, 250 for \$3.50. Setter free.



REVOLUTIONARY HAND SPRAYER

New HARCO is only professional type sprayer priced so low. Long extension rod quickly sends insecticides to tall shrubs, small plants, hard to reach places. Sprays up, down, sideways without adjustment. Attractive, colorful. Only \$2.35 complete.



SELF MIXING SPRAYER

Simply attach HAYES-ETTE to garden hose, lightly press button, and it sprays up, down, sideways. Capacity $1\frac{1}{2}$ gallons. Efficiently does the work of many larger sprayers. Only \$2.95





WHICH DO YOU WANT?



The hormones and vitamins (B, and others)



THE HORMONE-VITAMIN POWDER

YOU CAN INCREASE THE NUMBER AND QUALITY OF BERRIES ON ORNAMENTAL

SHRUBS . . . by spraying with



This plant hormone spray will help to develop big berries on holly, snow berry, euonymus, pyracantha and other berry bearing shrubs-even when they are bi-sexual and no male plants are near. Simple and easy to use. Stops drop of leaves and fruit.

2-oz. only \$1.00



REE-ROOT

For rapid rooting of cuttings. Two proven formulas: No. 1 for sensitive plants, 2 oz. can. 75c; No. 2 for hardy, woody plants, $1\frac{1}{2}$ oz. can. \$1.

TRANSPLANT TABLETS

For reducing root shock in all transplanting. Two tablets make 1 aal. solution. 40 tablets, 50c; 100 tablets, \$1.

PREE-PLANT

Dust on seeds and bulbs for quicker, better germination, 2 oz. can. \$1.

VITAMIN B1 PELLETS

Now contain all the known factors of Vitamin B-Complex. Vital aid to all plant growth. 100 pellets, \$1.



THOMPSON'S B, VITAMIZER attaches to hose, automatically mixes and distributes solution. S1. 100 Thompson's B, Pellets and Vitamizer, S1.89.

Simple directions with all products

Try all 4 of these proven products of modern science.



ANTROL Kills Sweet and Grease Eating Ants

A SCIENTIFIC METHOD, SAFE, SURE, PERMANENT



SAFE TO USE AROUND CHILDREN AND PETS Can be used inside or outside the house.

ANTROL ANT TRAPS

Kills both sweet and grease eating ants, contains two kinds of specially prepared material. Each 10c, postpaid. Can be used inside or outside the house.

SNAROL

Metaldehyde-Arsenical Bait

Attracts and kills anails and slugs. Snarol may also be used to control Sowbugs, Cutworms, Earwigs, etc. A ready-prepared bait meal that is non-injurious to vegetation when used as directed. Retains its effectiveness for from five to ten days after being put out. 1-lb. packages, 25c; 2½-lb. packages, 50c; 6-lb. packages, \$1.50; 50-lb. bags, \$1.50; 50-lb. bags, \$5.50.

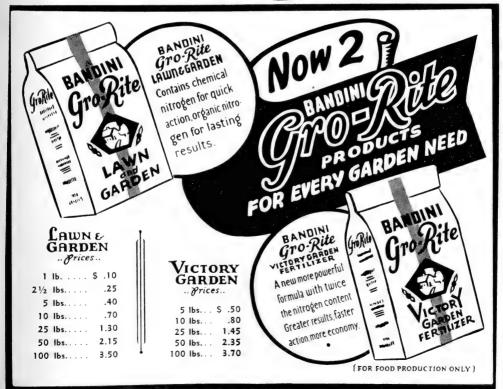
Postage extra.



ANTROL SOWBUG-CUTWORM CONTROL

An especially prepared bait made very attractive to these hard to control pests and used by commercial and home gardeners everywhere. Guaranteed to give satis-faction. Packed in cans with convenient pouring spout.

8 oz. can, 35c; 12 oz. can, 45c. Prices postpaid.



F.O.B. Phoenix-Add postage.

There's NO SURPLUS

IMOH

INSECTS for

PRODUCTS.

OR OTHER PESTS

Protect Your Garden...Grow More Food!

ANT-B-GON



Dispensers

Feed alluring, uncontaminated poison constantly

For Argentine and sweets-eating ants. One or two sets of dispensers are enough for average home.

Set of four 1-oz. Dispensers......60c Ant Poison to refill dispensers (Refill every three to four weeks):

4-oz. Bottle.....20c 16-oz. Bottle......50c 1/2-gallon Bottle\$1.50

EXTRAX Insect Spray. The complete, easy to use, home garden insecticide. Use it on vegetables, too. For use against Aphis and many other garden insects. Economical most dosages use one teaspoonful to a gallon of water.

1-oz. Bottle......35c 4-oz. Bottle.....\$1.00 2-oz. Bottle...... 55c 16-oz. Bottle...... 2.75 1/2-gallon Bottle...... 7.95

GREENOL Liquid Fungicide. For certain Powdery Mildews. Contains Spreading and Wetting agents. Use with "EXTRAX" for combination insect and disease spray, 16 ozs. makes 100 gals. diluted spray.

1-oz. Bottle...... 35c 4-oz. Bottle...... \$.60 2-oz. Bottle......45c 16-oz Bottle...... 1.50 3.95 1/2-gal. Bottle...

GARDEN VOLCK Spray. Has a penetrating "VOLCK" base. Contains Nicotine which increases insecticidal value for more complete spray against sucking insects.

4-oz. Bottle..... 35c 1/2-gal. Bottle....\$ 2.50 16-oz. Bottle......85c 5 gallons......... 10.00



SCRAM DOG REPELLENT

A special powder used to keep dogs away from shrubs, flowers, lawns, store fronts, porches, etc. Easy to use.
Does not harm animals.

49~

VOLCK Nursery & Garden Spray. Envelopes, penetrates and smothers sucking insects like Scale, White Fly, Mealybug and Red Spider. Also a spray carrier and supporting agent for other sprays. Generally diluted 4 tsp. to 1/3 pt. per gallon.

4-oz. Bottle.....25c 1/2-gal. Bottle....\$1.25 16-oz. Bottle......50c 5 gallons....... 5.00

KLEENUP Winter Spray. An emulsive Oil Spray for use against certain Scale Insects during dormant season. Use with Bordeaux Mixture against Peach Leaf Curl and Peach Blight.

16-oz. Bottle......39c 1/2-gal. Bottle......85c\$4.95 5 gallons

ORTHO ROSE SPRAY KIT

SPECIAL COMBINATION OFFER. Contains 2-oz. bottle "EXTRAX" for Aphis and other insects and 2-oz. bottle "GREENOL" for use against certain Powdery Mildews. Makes 12 gallons spray. Ideal for vegetable garden use. Complete Kit

CONTAX Pruning Paint. Protect all cuts with this modern plastic pruning and graft-

ing composition. 1 Pint..... CALTOX Insecticide Dust, Shaker carton makes it easy to use against Sowbugs, cer-

tain Beetles, Caterpillars and Worms. 8-oz. Shaker......35c 20-ozs.....

EARWORMICIDE. It costs only 35c and takes very little effort to keep the worms out of 120 ears of sweet corn.

4-oz. Bottle......35c 16-oz. Bottle........75c

ORTHO Rat Bait Pellets. New, ready-touse Red Savill Baits, Poisoned Rats and Mice usually seek underground burrows.

ORTHO Rodent Destroyer. Kills Gophers,

Rats, Squirrels and Mice. Made by patented formula. Strychnine is impregnated in grain and fruit pellets.

6-oz. Carton......30c 1-lb. Carton......60c

NEW! **BUG-GETA** PELLETS Compressed

BAIT



For use against Snails, Slugs, Cutworms, Sowbugs, Earwigs, Grasshoppers and Strawberry Root Weevil. Half as much bait goes twice as far . . . Easier to use—just scatter on wet ground - cleaner to handle and more economical. A Metaldehyde-Arsenical Bait.

12-oz. Carton....25c 5-lb. Carton.....\$1.00 2-lb. Carton50c 25-lb. Bag 3.60 BUG-GETA Bait (Meal). Similar in compo-

sition and for same uses as BUG-GETA Pellets but in meal form. 1-lb. Carton......25c 6-lb. Carton....\$1.00

30-lb. Bag 3.75 21/2-lb. Carton...50c

ORTHO Earwig Bait. Guard against Earwig infestations which can become a menace to health. Prepared on a government formula.

21/2-lb. Bag......50c 6-lb. Bag.....\$1.00

Other Famous SPRAY PRODUCTS

FLOTOX Sulfur26-oz.	25c	4 lbs.	50c
Bordeaux Mixture1-lb.	35c	4 lbs.	90c
Calcium Arsenate1-lb.	25c	4 lbs.	60c
Lead Arsenate (Basic) 1-lb.	35c	4 lbs.	90c
Lead Arsenate (Standard).		4 lbs.	90c

BOTANO GARDEN DUST



multi-purpose pesticide for use against Aphis and many other insects and diseases. Duster package, pumps dust right on the plants. Gardeners like it for vegetables because it

leaves no poisonous residue. 10-oz. Duster..... 8-oz Shaker Duster.....\$.49 1-lb. Refill 4-lb. Refill.



THESE ARE THE "MUST HAVES" FOR EVERY GARDEN

"EXTRAX" | "GREENOL" | "BUG-GETA" | "ANT-B-GON" for use against NUMEROUS

GARDEN INSECTS

for use against CERTAIN POWDERY MILDEWS for use against SLUGS, SNAILS **CUTWORMS**

for use against ARGENTINE AND SWEETS-EATING ANTS

Also ask for Free "ORTHO" Garden Spray Guide



Liefgreen's Insecticides and Spray Materials

DUSTING MATERIALS

Powdered Tobacco

A tobacco dust containing 1% Nicotine expressed as alkaloid. A contact and repellent. Suitable for control of aphis and soft-bodied insects if dusted when plants are damp. Used as a mulch in pots, window boxes and greenhouse benches to repel and to give control of some root-feeding insects and others that complete their development in soil before climbing plants to feed. Used for strawberry Rootworm and Rose Midge. Used for mixing with poultry feed for control of Round Worm in chickens and turkeys.



Super-Calcium Adhesive Dust Mixture

Special dust for lettuce, peas, tomatoes, etc. For control of many chewing insects including lettuce loopers, alfalfa loopers, pea worms. tomato fruit worms, and corn ear worms. 1 lb. 25c, postpaid 35c; 5 lbs. \$1.00, postpaid \$1.15; 10 lbs. \$1.75, postpaid \$1.90; 50 lbs. bags, \$4.00; 100 lbs. \$7.50.

Nicotine Dust

Ten per cent Black Leaf 40 in dust form. 1 lb. 50c, postpaid 60c; 5 lbs. \$1.60, postpaid \$1.80; 25 lb. drum, \$4.90; 50 lb. drum, \$9.15; 100 lb. drum, \$17.50.

Super Electric Dusting Sulphur

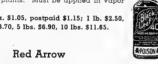
Used principally to control and prevent mildew on grapes, roses melons, vines, etc. 1 lb. 10c, postpaid 20c; 10 lbs. 75c, postpaid 90c; 50 lbs. \$2.25; 100 lbs. \$4.25. Write for quantity prices.

LIQUID SPRAYS

Black Leaf 40

form with a spray pump.

1 oz. 35c, postpaid 40c; 5 oz. \$1.05, postpaid \$1.15; 1 lb. \$2.50, postpaid \$2.65; 2 lbs. \$3.70, 5 lbs. \$6.90, 10 lbs. \$11.65.



Kills chewing and sucking insects safely—contains Pyrethrum, Derris and soap in convenient form. Mix in water according to directions and spray.

1 oz. 35c, postpaid 40c; 1/4 pt. \$1.00, postpaid \$1.10; 1 pt. \$2.85, postpaid \$2.95; 1 qt. \$5.40, postpaid \$5.55.

Bordeaux Mixture

A Copper-Sulfate and Lime mixture (1234% Copper), the standard control for fungus diseases (Blight, Rust, Wilt and Mildew) on vegetables, flowers, fruit and shade trees. Mixed with water, 8 pounds to 50 gallons gives equivalent of 44-50 Bordeaux.









Geranium Cuttings-Treated and Untreated

ROOTONE, the plant before planting to give

faster, better, more successful rooting. Mix flower, vegetable or grass seed with Rootone before planting to give faster growth and stronger roots. Easy to use. 1/4 oz. packet 25c. 2 oz. jar \$1.00. 1 lb. can \$5.00.

End the Home Front

Destruxol Spray

A contact and fumigating spray for aphis, thrips, mealy bug, etc., does not injure flowers or foliage. Especially deinjute nowers or ionage. Especially assirable for spraying vegetables as ileaves no residue. One ounce makes 3 to 5 gallons of spray. 1 oz. 35c, postpaid 40c; 4 oz. \$1.00, postpaid \$1.10.

Super Destruxol Emulsion (Contains Nicotine)

A staple oil emulsion containing veg A staple oil emuision containing veg-etable, mineral and organic oils com-bined with free Nicotine; controls insect life by suffocation, penetration and by contact; is effective against scale, mealy bug, red spider, etc.

8 oz. 50c, postpaid 60c; 1 qt. \$1.25, post-paid \$1.45; 1 gallon \$2.75, postage extra.

Fungusol Emulsion

A combination of oils, ether, copper and free nicotine; is both an insecti-cide and fungicide; especially recom-mended for the control of rust, mildew, aphids, thrip, rot and blight.

4 oz. 45c, postpaid 55c; 8 oz. 65c, postpaid 75c; 1 pt. \$1.00, postpaid \$1.10; 1 qt. \$1.75, postpaid \$1.90.

Lawn-a-Gen

Combined various ethers with metallic copper, soluble in water; for the control of underground soil pests of certain types; the copper content is effective against fungus diseases that frequently follow underground insect depredation.

4 oz. bot. 60c, postpaid 70c; 8 oz. bot. \$1.00, postpaid \$1.10: 1 pint bottle \$1.60, postpaid \$1.75. 1 qt. bottle \$2.50: 1 gallon bottle \$7.00, f.o.b. Phoenix.

Borer-Sol

An ether non-oil emulsion for the elimination of Borers from trees or shrubs. It effects its purpose without the slightest injury to plant life and without sterilizing the soil. Effective also against red ants.

4 oz. bot. 35c, postpaid 45c; 8 oz. bot. 50c, postpaid 60c. 1 pint bottle 75c, postpaid 85c.



Destruxol Pyretoxide Dust No. 15

A dust composed of essential oils of Pyrethrins A dust composed of essential oils of Pyrethrins combined with dusting sulphur and a carrier. Effective against both sucking and chewing insects such as Diobrotica and similar beetles, Squash Bug, Cabbage worms, Thrips, and others, and mildew. Leaves no undesirable residue

2 lb. 60c, 5 lb. \$1.25, 25 lb. \$5.00, 50 lb. \$9.25, 100 lb. \$18.50, f.o.b. Phoenix; add postage.

Calsul

Perfectly blended and stable emulsion of lime sulphur and oil. An excellent dormant spray and for general garden cleanup throughout the season. For citrus and deciduous fruit trees.

1 qt. 65c; qal. \$1.75, f.o.b. Phoenix.



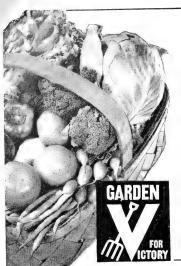
Destruxol Sowbug and Cutworm Bait

An effective bait for these pests. Combines the poisoning agent with a natural food, thus enticing them to eat. Scatter bait wherever desired.

8 oz. 30c; 1 lb. 55c; 2½ lb. \$1.10.







PROPER FEEDING IMPORTANT TO SUCCESS

You are counting on big yields of fine-flavored tender vegetables rich in nutritional value from your garden. Your garden won't disappoint you if you sow high quality seed and be sure it is properly fed.

Vegetable plants are living things! They need many different elements from the soil for proper growth and maturity. When

you feed them with VIGORO VICTORY GARDEN FERTILIZER you can be sure they are supplied with all of the plant food nutrients they need. Vigoro Victory Garden Fertilizer is a full, square meal for vegetables. It is economical and easy to use. Full instructions with each bag.

100	lb.	baq														\$3.70
50	lb.	bag														2.35
25	lb.	bag													٠	1.45
10	lb.	bag			٠								٠	٠		.80
5	lb.	bag		ŀ	1	٠	٠	Ŀ	٠	Ŀ	Ŀ	٠		٠	:	.50



have morale building LAWNS and FLOWERS!

Beautiful lawns and flowers are a proved tonic for warweary nerves and tired bodies. Be sure your outdoor living room affords a velvety turf and colorful, fragrant flowers! FEED THEM WITH VIGORO! Again available for lawn, flower, shrub and tree feeding.

ORDER EARLY!



100	lb.	bαg					. :	\$4.25	
50	lb.	bag						2.60	
25	lb.	bag						1.55	
10	lb.	pack	αg	е				.85	
5	lb.	pack	αg	е				.45	
1	lb.	pack	αg	е				.10	





PRICE SCHEDULE

EndoPest

3-WAY GARDEN DEFENSE

.65
.25
.55
.40



EndoPest Garden Bait

			_	_	_	_		-	
.1	lb.	pkg	٠.					. \$.25
1/2	lb.	pkg	٠.						.50
10	lb.	bag				,			1.50
25	lb.	bαg							3.25
50	lb.	bαg							5.50

Prices f.o.b. Phoenix Add postage.

able or in 1/2, I and 21/2 lb.

pouring spout cans.

your garden this 3-way

defense with one easy-

to-use product!



Grass Seeds for Winter and Summer

GOOD SEED IS THE FIRST REQUIREMENT FOR SUCCESS

Liefgreen's Lawn Seeds are thoroughly cleaned and are tested for purity and germination.

When you buy Liefgreen's Lawn Grass Seed you avoid failure and disappointment.

DIRECTIONS FOR PLANTING—First level the ground thoroughly and pulverize the soil. Enrich with our Lawn and Garden Fertilizer at the rate of 100 pounds to 3000 square feet. Scatter the seed evenly over the surface at the rate of 11/2 to 2 pounds to 10×10 feet for Australian Rye Grass; one pound to 10×20 for Blue Grass; one pound to 500 square feet for Bermuda Grass and one pound to 2000 square feet for Bermuda Grass and one pound to 2000 square feet for White Dutch Clover when planted with other grasses After sowing spread a light mulch of Horticultural Peat Moss over the surface. The mulch will quicken germination and prevent the soil from crusting, Water carefully and regularly with a fine spray, never allowing the surface to dry out until the grass is up. Plant Rye Grass, Blue Grass and White Clover from September 1st until early spring and Bermuda Grass during the spring, summer and fall months.

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Australian Rye Grass

An extremely hardy and the most popular winter lawn grass in the Salt River Valley and similar climates. Our seed is of the highest germinating quality, thoroughly recleaned and sure to please. Postpaid prices: 1 lb. 30c, 5 lbs. 51.25. 10 lbs. \$2.50.

WRITE OR PHONE FOR QUANTITY PRICES

White Dutch Clover

Strictly first-class seed, absolutely clean and pure and of the highest quality. Makes a very attractive lawn when mixed with winter lawn grass. Lb. \$1.25, 5 lbs. \$6.00, 10 lbs. \$11.50, postpaid.



Bermuda Grass

Used exclusively for summer lawns in the Salt River Valley and similar climates. We carry a very selected grade of seed, thoroughly recleaned, thereby eliminating the undesirable weed seeds. Lb. \$1.10, 5 lbs. \$5.25, 10 lbs. \$10.50, postpaid.

Kentucky Blue Grass

Fancy, recleaned seed of tested quality. Used for summer lawns in the higher altitudes and mountain districts and in the warmer sections for winter lawns. .Lb. 55c, 10 lbs. \$5.0.0, postpaid.

Red Top

AGROSTIS ALBA — A fine-bladed grass that is often used with Rye Grass and Kentucky Blue Grass for golf courses and lawn purposes. Also used for pasture grass in higher altitudes. For pasture, sow 15 pounds per acre. Lb. 45c, 10 lbs. \$4.00, postpaid.

Seaside Bent

AGROSTIS MARITIMA—A true creeping bent, used for putting greens. Our stock is recleaned and extremely pure and free from weed seeds. Certified (Blue Tag) seed. 1 lb. \$1.25, 5 lbs. \$5.75, postpaid.

TRANSPORTATION CHARGES PREPAID UNLESS OTHERWISE STATED.



Field Seeds. Clovers and Grass Seeds

Postage paid on Field Seeds to and including Third Zone only and up to and including 10 pounds.

10 pounds.

We request buyers of sack lots or over to write us for special quotations.

Our Field Seeds are thoroughly recleaned to insure high germination and purity.

Alfalfa

LIEFGREEN BRAND CHILEAN ALFALFA SEED—Chilean alfalfa seed is the type used very extensively in the Salt River Valley. Plant 20 pounds per acre. 1 lb. 55c, 10 lbs. \$4.75.

LIEFGREEN BRAND HAIRY PERUVIAN AL-FALFA SEED—Produces remarkable amount of tonnage. 1 lb. 55c, 10 lbs. \$4.75.

Miscellaneous Grain

AS ALL GRAINS FLUCTUATE IN PRICE, WE ARE UNABLE TO LIST POSITIVE PRICES. PLEASE ASK OR WRITE FOR SAMPLES AND PRICES, STATING QUANTITIES.

LIEFGREEN'S DWARF MILO MAIZE—A very select strain of Dwarf Milo Maize. Plant three pounds to the acre. 1 lb. 25c, 5 lbs. 75c, 10 lbs. \$1.25.

LIEFGREEN'S RESELECTED HEGARI—Harvested from selected heads. 1 lb. 25c, 5 lbs. 75c, 10 lbs. \$1.25.

STANDARD BARLEY.

CLUB WHEAT—Soft spring wheat.
WINTER RYE—A winter pasture crop.

EARLY BAART WHEAT—Planted from October to March.

TEXAS RED OATS—For fall and spring sowing. EARLY AMBER CANE—For pasture we recommend sowing from 50 to 60 pounds per acre. RED TOP CANE—Will make an abundance of

fodder either green or cured.

TEXAS SEEDED RIBBON CANE and ORANGE
CANE—For syrup purposes.

SUNFLOWER—Highly valued by poultry breeders as poultry feed. 1 lb. 35c, 10 lbs. \$3.00, postgrid

GOLDEN MILLET — Sow 30 pounds per acre 1 lb. 25c, 10 lbs. \$2.00, postpaid.

VETCH—Sow 40 pounds per acre with grain I lb. 25c, 10 lbs. \$2.00, postpaid.

Field Peas and Beans

WHIP-POOR-WILL COW PEAS — As a soil renovator. They should be planted at the rate of 50 to 100 pounds to the acre. 1 lb. 25c, 10 lbs. \$2.00, postpaid.

BLACK-EYED PEAS—Easy to grow. 1 lb. 25c, 10 lbs. \$2.00, postpaid.

PINK BEANS—Plant 40 pounds of seed to the acre, in rows about 30 to 36 inches apart. 1 lb. 25c, 10 lbs. \$2.00, postpaid.

Cover Crops

SESBANIA (Wild Hemp)—Sesbania is a very fast growing plant requiring only 8 to 10 weeks from time of germination to time of plowing under. Sow broadcast at the rate of 30 to 40

pounds per acre. 1 lb. 40c, 10 lbs. \$3.50, postpaid.

SWEET CLOVER (Melilotus Alba) or White Blossom Sweet Clover—Sow in the spring or fall at the rate of 20 to 25 pounds to the acre. Scarlified seed, per lb. 30c, 10 lbs. S2.15, postpoid.

MELILOTUS INDICA (Sour Clover)—As a cover crop in citrus groves it has no equal. We offer only the best quality, recleaned and scarified seed. 1 lb. 25c, 10 lbs. \$2.00, postpaid.

Pasture and Hay Grasses

SUDAN GRASS — A drouth resisting annual. Grows in a wide range of soils, from sand to heaviest adobe. 1 lb. 25c, 10 lbs. \$2.00, post-raid.

BROME GRASS (Bromis Inermis)—An excellent pasture grass for general range purposes. 1 lb. 45c, 10 lbs. \$4.00, postpaid.

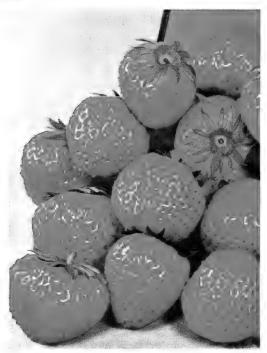
TIMOTHY—Sown in our higher altitudes where it is quite successful. Requires 15 pounds per acre when sown alone. 1 lb. 25c, 10 lbs. \$1.55, postpaid.

ORCHARD GRASS—A valuable pasture grass for the higher altitudes of Arizona; produces an immense quantity of forage and hay of the best quality. Sow 35 pounds per acre. 1 lb. 75c, 10 lbs. \$7.00, postpaid.

MEADOW FESCUE — This is a very valuable species for permanent grass lands and is relished by livestock both in hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil. 1 lb. 65c, 10 lbs. 56.00, postpaid.



Berry and Vegetable Plants for the Victory Garden



YOUNGBERRY

This well-known berry is a cross between the loganberry and the dewberry. It has the pleasant flavor of the red raspberry, the juiciness of the loganberry and the jelling and canning qualities of the blackberry. Each 30c, 3 for 75c, doz. 52.50, postpaid.

STRAWBERRIES

In the warmer sections of Arizona strawberries are usually planted on raised beds similar to lettuce beds. Alternate plants on each side of the bed about 12 inches apart. Water immediately after planting. Irrigating during the winter depends entirely on weather conditions. During the summer months plants must be watered not less than every three days. Under no conditions should plants be cultivated during the summer months as the plants are very shallow rooted. Allow weeds to grow around the plant during the summer months to provide shade. In the fall months the plants may be cultivated and fertilized. Also fertilize during the bearing season. Strawberries may be planted from the fall months on through to late spring.

IMPROVED KLONDIKE—This variety does well in hot sections. It is a vigorous grower, very prolific and yields over a long period. A medium size berry of good flavor and is an excellent shipper. Dozen 50c, per 100 plants, \$3.50, postpaid.

MASTODON, EVERBEARING — Mammoth sized berries round in shape, medium dark red in color. An early producer bearing both fall and spring. Dozen 75c, per 100, \$4.00, postpaid.

BLACKBERRIES

TEXAS WONDER BERRY—A large fruited luscious berry of rich dark color. It is one of the earliest varieties and very productive. Each 30c, 3 for 75c, doz. \$2.50. postexid.

BOYSENBERRY

This new berry is twice as large as the Youngberry but of the same appearance. The Boysenberry is practically seedless and the flavor is unexcelled. Set the plants 5 or 6 feet apart in rows 8 feet apart for commercial use. In the home garden, they may be set closer together in rows. Strong transplanted roots: Each 35c, 3 for 90c, 12 for \$3.00, postpaid.

LOGANBERRIES

Supposed to be a hybrid between the blackberry and raspberry, but it is entirely distinct from either of its parents. When fully ripe it is a very dark red, very large, often an inch and a quarter long. Each 30c, 3 for 75c, 12 for \$2.50, postpaid.

LIEFGREEN'S Vegetable Plants and Roots

All plants shipped at customer's risk. We cannot secure plants after dates specified.

Wherever possible all vegetable plants will be furnished from transplanted flats and packed with soil to assure safe delivery.

ASPARAGUS

Asparagus is very easily grown. For the small garden set plants 12 inches apart in rows 3 to 4 feet apart. Set the plants 8 to 10 inches deep in well fertilized trenches. After frost in the fall cut the dead tops and mulch the surface.

the dead tops and murch the January MARY WASHINGTON—A variety that has come to the front, grows very large and is very rust resistant. 75c per doz., 100 for \$4.00, postpaid.

PEPPER PLANTS

(TRANSPLANTED)

FLORAL GEM, CALIFORNIA WONDER, ANAHEIM CHILI From about March until June 1st. Per doz. S1.00, postpaid.

CABBAGE and CAULIFLOWER

Plants quoted on request. State quantity.

EGG PLANTS

(TRANSPLANTED)

NEW YORK ROUND PURPLE and BLACK BEAUTY
From about March 1 until May 15. Per doz. \$1.00, postpaid.

RHUBARB

GIANT CHERRY
Stalks of large size and excellent flavor. One of the prime favorites in rhubarb.
Large divisions. 40c each, \$3.50 doz., postpaid.

SWEET POTATO PLANTS

We can furnish plants from April 1 to July 1. **Per doz. 50c, \$2.00 per 100, postpaid.** Write for quantity prices.

TOMATO PLANTS

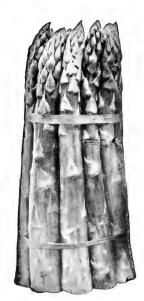
(TRANSPLANTED)

EARLIANA, VICTOR, BEEFSTEAK, MARGLOBE, NORTON STONE, and DWARF STONE—Ready about March 1 until May 15. Per doz. 75c, postpaid.

PLEASE READ BEFORE ORDERING

Owing to the expense of packing plants we do not ship orders for less than \$1.00. When we ship plants by mail or express we do so at the buyer's risk, and we do not ship plants C. O. D. Prices quoted in dozen and 100 lots are postpaid.

WRITE FOR QUANTITY PRICES



Asparagus, Mary Washington

Money Enclosed Amount	Please leave this	SHEET	Date Rec'd
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OST OFFICE		P. O. BOX	Filled by
	EXPRESS OR		Checked by
TATE	FREIGHT OFFICE		Packed by
	(Only if I	Different From P. O.)	

IF ITEMS ORDERED ARE NOT POSTPAID BY US — PLEASE ADVISE SHIPPING PREFERENCE — FREIGHT — EXPRESS OR TRUCK LINE.

"We give no warranty, express or implied, as to the productiveness of any seeds or bulbs we sell and we will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seed."—Liefgreen Seed Co.

\checkmark	Lbs.	Ozs.	Pkts.	NAMES OF ARTICLES WANTED	PRIC	E
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From



339 WEST VAN BUREN

P. O. Box No. 1352

PHOENIX, ARIZONA



Liefgreen's Monthly Planting Guide

FOR THE SALT RIVER VALLEY AND SIMILAR CLIMATES

For the colder sections of Arizona, the time of planting should be determined by the weather conditions. In Northern Arizona and in the higher altitudes, most of the varieties listed here should be planted in the spring, after all danger of frost.

All seeds listed herein are particularly adapted to any section of the United States as well as Arizona, if planted during the proper planting season. You can make your purchases with full confidence.

February Planting List

FLOWER SEEDS: Alyssum, African Daisy, Agerriower seems, Argadila, Asparaqua Fern, Asters, Bachelor Button, Balsam, Browallar, Calendula, Carnation, Candytutt, Calliopsis, Centaurea, Chrysanthemum, Coreopsis, Cactus, Columbine, Cosmos, Clarkia, Canna, Dahlia, Euphorbia, Evening Primrose, Four O'clock, Gaillardia, Gypsophila, Gerbera, Geum, Euphorbia, Evening Primrose, Four O'clock, Gaillardia, Cypsophia, Gerbera, Geum, Geranium, Gourds (protected), Hollyhock, Heli-hrysum, Kochia, Lantana, Larkspur, Linaria, Lobelia, Linum, Moon Vine, Morning Glory, Mignonette, Nierembergia, Nicotiana, Nemophila, Nigella, Nasturtium (protected), Pansy, Petunia, Pinks, Painted Daisy, Queen Anne's Lace, Ranunculus, Scabiosa, Salpiglossis, Scarlet Flax, Shasta Daisy, Statice, Snapdragon, Salvia, Stocks, Sweet Peas, Sweet Sultan, Straw Plowers, Virginian Stock, Verbena, Venidium, Vinca, Vine Seeds, Wallflower, Wild Flowers. FLOWER PLANTS: All seasonable varieties.

BULBS: Amaryllis, Anemone, Agapanthus, Caladium, Canad, Calla Lily, Chinese Lily, Gladiolus, Hardy Lilies, Madeira Vine, Ornithogalum (Star of Bethlehem), Paper White Narcissus, Queen's Wreath, Ranunculus, Tuberoses.

VEGETABLE SEEDS: Artichokes, Asparagus, Beets, Carrots, Collards, Cress, Chives, Endive, Herbs, Kale, Kohlrabi, Lettuce, Mustard, Okro, Onion, Parsley, Parsnips, Peas, Peppers in Hotbeds, Rutabaga, Radish, Salsify, Swiss Chard, Spinach, Squash, Tomato, Turnips.

PLANT UNDER COVER FOR EARLY CROPS: Cucumber. Cantaloupe, Egg Plant, Pepper, Cucumber, Cantaloupe, Egg Plant, Pepper, Squash, Tomato, Watermelon. (We are head-quarters for HOTKAPS and flat cover papers.) VEGETABLE PLANTS, ROOTS AND TUBERS: Artichoke, Egg Plant, Peppers, Tomatoes (in the warmest sections), Asparagus Roots, Irish Pota-toes, Onion Sets, Rhubarb Roots, Strawberry Plants, Sweet Potato Tubers in beds.

LAWN SEEDS: Bermuda Grass, Blue Grass, Rye Grass, Poa Trivialis, Red Top, White Dutch Clover.

FIELD SEEDS: Alfalfa, Barley, Oats, Sweet Clover, Wheat, Field and Pasture Grasses.

March Planting List

FLOWER SEEDS: Alyssum, African Daisy, Amaranthus, Asparagus Fern, Balsam, Chrysanthemum, Cockscomb, Cactus, Castor Bean, Canna, Cosmos, Dahlia, Euphorbia, Four O'clocks, Gerbera, Geum, Gaillardia, Gomphrend, Geranium, Gourds, Helichrysum, Holyhock, Kochia, Larkspur, Lantana, Linum, Marigolds, Morning Glory, Nasturtium, Nicotiana, Petunia, Portulaca, Pinks, Pansy, Salpigossis, Scarlet Flax, Shasta Daisy, Straw Flower, Sun Flower, Venidium, Vinca, Verbena, Tithonia, Wallflower, Wild Flowers, Woolflower, Zinnias, all Vine Seeds.

FLOWER PLANTS: All seasonable varieties. BULBS AND RÖOTS: Amaryllis, Agapanthus, Canna, Caladium, Calla Lily, Gerbera, Gladi-olus, Madeira Vine, Narcissus, Queen's Wreath Vine, Tuberoses

VEGETABLE SEEDS: Asparagus, Artichoke, Beans, Beets, Carrots, Collard, Corn, Cress, Cucumber, Egg Plant, Endive, Herbs, Kale, Kohlrabi, Leek, Leituce, Melons, Mustard, Okra, Peas, Peppers, Parnsely, Pumpkin, Radish, Salsity, Swiss Chard, Spinach, Squash, Tomato, Turnio

VEGETABLE PLANTS, ROOTS AND TUBERS: Artichoke, Asporagus Roots, Egg Plant, Onion Sets, Peppers, Tomato, Rhubarb Roots, Straw-berry Plants, Irish Potatoes, Sweet Potato Tubers in beds.

LAWN SEEDS: Bermudg Grass, Blue Grass, Rye Grass, Sweet Clover, Barley and Oats for quick pasture.

April Planting List

FLOWER SEEDS: Amaranthus, Asparagus Fern FLOWER SEEDS: Amaranthus, Asparagus Fern, Castor Bean, Cactus, Cosmos, Cockscomb (Celosia), Gourds, Gaillardia, Gomphrena, Gerbera, Geum, Geranium, Hollyhocks, Helichrysum, Kochia, Lantana, Morning Glory, Marigolds, Nasturtium, Nicotiana, Petunia, Portulaca, Shasta Daisy, Sun Flower, Tithonia, Vine Seeds, Vinca, Verbena, Woolflower, Tinnia

FLOWER PLANTS: In season. BULBS AND ROOTS: Agapanthus, Canna, Caladium, Gerbera, Madeira Vine, Tuberoses, Queen's Wreath Vine. BULBS Caladium, Gerbe

Queen's Wreath Vine.

VEGSTABLE SEEDS: Asparagus, Beans, Beets,
Celery, Corn, Cucumber, Egg Plant, Endive,
Herbs, Kale, Kohlrabi, Leaf: Lettuce, Leek,
Melons, Okra, Peppers, Peanuts, Pumpkin,
Radish, Sauash, Swiss Chard, Tomato.

VEGSTABLE PLANTS, ROOTS AND TUBERS:
Artichoke, Asparagus Roots, Egg Plant, Onion
Sets, Irish Potatoes (in higher altitudes). Sweet
Patrich Plants, Penpers, Bhubarth Roots, Straw.

Potato Plants, Peppers, Rhubarb Roots, Straw berry Plants, Tomatoes.

Derry Plants, Iomatoes. LAWN SEED: Bermuda Grass Seed. FIELD SEEDS: Corn, Cowpeas, Millet, Milo Maize, Hegari, Sorghums, Sudan Grass, Ber-muda Grass, Sesbania, Field and Pasture Grasses (in higher altitudes).

May and June Planting List

FLOWER SEEDS: Amaranthus, Asparagus Fern, Celosias (Cockscomb), Cactus, Castor Bean, Cosmos, Gourds, Gaillardia, Kochia, Lantana, Morning Glory, Marigolds, Nasturtium, Nicotiana, Portulaca, Shasta Daisy, Sunflower, Tithonia, Vine Seeds, Vinca, Verbena, Zinnia, FLOWER PLANTS: In season, Casto Casto, Cas

BULBS AND ROOTS: In season—Canna, Caladium, Madeira Vine, Tuberoses, Queen's Wreath

VEGETABLE SEEDS: Asparagus, Beets, Beans, Celery, Corn, Kale, Melons, Swiss Chard, Pea-nuts, Peppers, Pumpkin, Squash, Tomato. VEGETABLE PLANTS AND ROOTS: Asgaragus Roots, Artichoke, Egg Plant, Peppers, Sweet Potato Plants, Tomato.

LAWN SEED: Bermuda Grass Seed. FIELD SEEDS: Cowpeas, Millet, Milo Maize, Hegan, Sorghums, Sudan Grass, Corn, Ses-bania, Bermuda for pasture.

July Planting List

FLOWER SEEDS: Cosmos, Celosia (Cockscomb), Cactus, Castor Bean, Gourds, Gaillardia, Lantana, Marigold, Morning Gloty, Nicotlana, Portulaca, Sinasta Daisy, Sun Flower, Tithonia, Vinca, Vine Seeds, Zinnia.
FLOWER PLANTS: In season.
VEGETABLE SEEDS: Broccoli, Brussel Sprouts, Cabbage and Cauliflower Seeds in shaded beds, Casaba, Corn, Melons, Peanuts, Pumpkin, Saurash. Tomato.

VEGETABLE PLANTS AND ROOTS: Egg Plant, Peppers, Tomato, Sweet Potato Plants. LAWN SEED: Bermuda Grass Seed.

FIELD SEEDS: Bermuda Grass, Corn, Cowpeas, Millet, Milo Maize, Pink Beans, Sorghums, Sudan Grass, Sesbania.

August Planting List

FLOWER SEEDS: Alyssum, African Daisy, Cactus, Early Cosmos, Gaillardia, Dwarf Marigolds, Nasturtum, Phlox, Portulaca, Tithonia, Virginian Stocks, Zinnia.
FLOWER PLANTS: In season.

FLOWER PLANTS: In season.
VEGETABLE SEEDS: Beans, Beets, Broccoli,
Brussel Sprouts, Cabbage, Cauliflower, Carrot,
Early Corn, Cucumber, Kale, Peas, Pumpkin,
Early Suash, Swiss Chard, Turnip, Rutabaga,

Radish.

VEGETABLE PLANTS: Cabbage, Cauliflower,
Onion Sets. Garlic Sets.
LAWN SEED: Bermuda Grass Seed.

FIELD SEEDS: Bermuda Grass, Corn, Cowpeas,
Millet, Pink Beans (to about Aug. 10), Sudan
Grass, Field and Pasture Grasses.

September and October Planting List

FLOWER SEEDS: Alyssum, Ageratum, Arctotis, African Daisy, Anemone, Anagallis, Browallia, Bachelor Button, Calendula, Candytuft, Carna-tion, Calliopsis, Centaurea, Canterbury Bells, Clarkia, Columbine, Coreopsis, Delphinium, Clarkia, Columbine,
Daisies, Globe Amaranth, Gaillaraia,
Daisies, Globe Amaranth, Gaillaraia,
Phila, Godetia, Gerbera, Geum, Geranium,
Hollyhock, Hunnemannia, Heliotrope, Larkspur,
Hollyhock, Hunnemannia, Heliotrope, Larkspur,
Nicotiana, Nicella,
Nicotiana, Nicella, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Globe Amaranth, Gaillardia, Gypso-Moon Vine, Nemophila, Nicotiana, Nigella, Nasturtium in early September, Painted Daisy, Pansy, Petunia, Phlox, Pinks, Poppies, Pyrethrum, Queen Anne's Lace, Ramuculus, Salpiglossis, Salvia, Scabiosa, Snapdragon, Stocks, Schizanthus, Sweet Peas, Sweet William, Shasta Daisy, Verbena, Virginian Stocks, Verndum, Wallilower, Wild Flowers, all Straw, Wallilower, Wild Flowers, all Straw, Shasta Daisy, Wallilower, Wall Flowers

FLOWER PLANTS IN SEASON: We carry a complete stock of flower plants for early blooms.

BULBS: Amaryllis (October), Agapanthus (October), Anemone, Chinese Lily, Crocus, Calla Lily, Daffodlis, Freesias, Hyacinths, Iris, Jonquil, Muscari, Paper White Narcissus, Ranunculus, Soleil d'Or, Ornithogalum (Star of Bethlehem), Tulips, Hardy Lilies (October).

VEGETABLE SEEDS: Beets, Broccoli, Brussel Sprouts, Cabbage, Cauliflower, Carrot, Collards, Cress, Endive, Herbs, Kale, Kohlrabi, Leek, Lettuce, Mustard, Onion, Parsley, Parsni, Peas, Radish, Rutabaga, Salsify, Spinach, Swiss Chard, Turnip.

VEGETABLE PLANTS AND ROOTS: Cabbage Cauliflower, Onion Sets, Garlic Sets, Rhuk Roots, Asparagus Roots, Strawberry Plants.

LAWN SEED: Bermuda Grass (September), Blue Grass, Winter Rye Grass, White Dutch Clover, Poa Trivialis, Bent Grass, Red Top.

FIELD SEEDS: Alfalfa, Barley, Oats, Winter Rye Grain, Wheat, Field and Pasture Grasses.

November, December and January Planting List

FLOWER SEEDS: Alyssum, African Daisy, Ageratum, Arctotis, Anemone, Anagallis, Bachelor Button, Browdlia, Calendula, Canna, Candytult, Carnation, Calliopsis, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Geum, Gerbera, Geranium, Gaillardia, Godetia, Globe Amaranth, Gypsophila, Hollyhock, Larkspur, Linaria, Linum, Lupin, Lobelia, Mignonette, Moon Vine, Nemophila, Nicotiana, Nigella, Painted Daisy, Pansy, Petunia, Phlox, Pinks, Pyrethrum, Poppies, Queen Anne's Lace, Brannaculus, Salvialossis, Salvia, Schizanthus, Moon Vine, Nemophila, Nicoliana, Angella, Painted Daisy, Pansy, Petunia, Phlox, Pinks, Pyrethrum, Poppies, Queen Anne's Lace, Ranunculus, Salpiglossis, Salvid, Schizanthus, Scabiosa, Snaparagon, Stocks, Sweet Peas, Sweet William, Verbena, Venidum, Virginian Stocks, Vinca, Wallflower, Wild Flowers, all

FLOWER PLANTS: Plant for early blooms.

BULBS: Amaryllis, Anemone, Agapanthus, BULBS: Amaryllis, Anemone, Agapantnus, Chinese Liles, Crocus, Calla Lily, Daffodils, Freesias, Gladiolus, Hyacinths, Iris, Jonquils, all Hardy Lilles, Muscari, Paper White Narcissus, Ranunculus, Soleil d'Or, Ornithogalum (Star of Bethlehem), Tulips.

VEGETABLE SEEDS: Beets, Broccoli, Brussel Sprouts, Carrot, Cabbage, Cauliflower, Coldrads, Chives, Cress, Endive, Kale, Kohirabi, Lettuce, Leek, Mustard, Onion, Parsley, Parsnip, Peas, Radish, Rutabaga, Salsily, Spinach Turnip.

PLANT UNDER COVER FOR EARLY CROP: In December and January, Egg Plant, Pepper and Tomato.

VEGETABLE PLANTS AND ROOTS: Cabbage Cauliflower, Onion Sets, Garlic Sets, Rhub Roots, Asparagus Roots, Strawberry Plants.

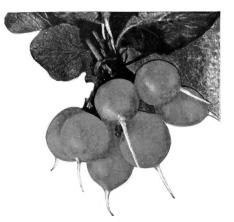
LAWN SEEDS: Rye Grass Seed, Blue Grass, White Dutch Clover, Poa Trivialis, Bent Grass,

FIELD SEEDS: Alfalfa, Barley, Oats, Winter Rye, Wheat, Field and Pasture Grasses.



Quality Always

Plant Liefgreen's Selected and Tested Quality Seeds



RADISH, EARLY SCARLET TURNIP

Radishes are about the easiest vegetable to grow. Sow any time of the year except the hottest months and have a continuous supply of fresh, crisp radishes for the table. Victory Gardens are not just a fable. The contributions in food alone by many backyard gardens throughout the country is very great, not to mention the health-giving benefits resulting from working in the soil. But we must continue our efforts on the home front this year perhaps greater than we did before. Vacant ground with good soil and sunny exposure can be prepared, fertilized and with water and a reasonable amount of time will produce a surprising amount of delicious vegetables for your home. Eat them fresh and can the surplus for out of season use.

for the VICTORY GARDEN

Quality in seeds is one of the most important factors for successful gardening. Select varieties best suited to Arizona conditions at Liefgreen's where dependable seeds, bulbs and plants for Arizona growing conditions are at their best.

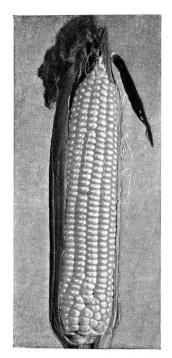
Quality Pays!

Shop at Liefgreen's where quality is first in every purchase.



LETTUCE, ARIZONA WONDERFUL

The delicious, tight, crisp heads of lettuce so well known and grown in Arizona are, no doubt, of this variety. It is the best type we offer and is easily grown either commercially or in the home garden. Plant in a rich loamy soil for best growth. For further details see page 8.



CORN, GOLDEN CROSS BANTAM

One of the most prolific and best flavored hybrid sweet corn, this variety has become popular with market gardeners and deserves a place in the home garden. Pkt. 10c, 1/4 lb. 20c, 1/2 lb. 35c, lb. 60c.